

COMMONWEALTH OF KENTUCKY
BEFORE THE PUBLIC SERVICE COMMISSION

In the Matter of:

**APPLICATION OF BLUEGRASS WIRELESS LLC
FOR ISSUANCE OF A CERTIFICATE OF PUBLIC
CONVENIENCE AND NECESSITY TO CONSTRUCT
A CELL SITE (WOODBINE) IN RURAL SERVICE AREA #11
(WHITLEY) OF THE COMMONWEALTH OF
KENTUCKY**

CASE NO. 2008-00080

RECEIVED
APR 15 2008
PUBLIC SERVICE
COMMISSION

**APPLICATION FOR A CERTIFICATE
OF PUBLIC CONVENIENCE AND NECESSITY (WOODBINE)**

Bluegrass Wireless LLC (“Bluegrass Wireless”), through counsel, pursuant to KRS 278.020 and 278.040, hereby submits this application for a certificate of public convenience and necessity to construct a cell site to be known as the Woodbine cell site in and for rural service area (“RSA”) #6 of the Commonwealth of Kentucky, namely the counties of Boyle, Casey, Garrard, Laurel, Lincoln, Madison, Pulaski, and Rockcastle, Kentucky .

1. As required by 807 KAR 5:001 Sections 8(1) and (3), and 807 KAR 5:063, Bluegrass Wireless states that it is a Kentucky limited liability company whose full name and post office address are: Bluegrass Wireless LLC, 2902 Ring Road, Elizabethtown, Kentucky, 42701. A certified copy of the articles of organization of Bluegrass Wireless was previously filed in Kentucky PSC Case No. 2007-00501 (Application of Bluegrass Wireless LLC for issuance of a certificate of public convenience and necessity to construct a cell site (Pricetown) in rural service area #11 (Casey County) of the Commonwealth of Kentucky).

2. Pursuant to 807 KAR § 1 (1)(b), a copy of the applicant’s applications to the Federal Aviation Administration and Kentucky Airport Zoning Commission are Exhibit “A”.

Written authorizations from these agencies will be supplied to the Commission upon their approval.

3. Pursuant to 807 KAR 5:063 §1(1)(d), a geotechnical investigation report, signed and sealed by a professional engineer registered in Kentucky, that includes boring logs, foundation design recommendations, and a finding as to the proximity of the proposed site to flood hazard areas is attached as Exhibit "B".

4. Pursuant to 807 KAR 5:063 §1(1)(e), clear directions from the county seat to the proposed site, including highway numbers and street names, if applicable, with the telephone number of the person who prepared the directions are attached as Exhibit "C".

5. Pursuant to 807 KAR 5:063 §1(1)(f), a copy of the lease (or sale agreement) for the property on which the tower is proposed to be located is attached as Exhibit "D".

6. Pursuant to 807 KAR §1(1)(g), experienced personnel will manage and operate the Woodbine cell site. The President of Bluegrass Cellular Inc., Mr. Ron Smith, is ultimately responsible for all construction and operations of the cellular system of Bluegrass Wireless, of which system the Woodbine cell site will be a part. Bluegrass Cellular Inc. provides management services to Bluegrass Wireless under a management contract, just as it does with three (3) other wireless carriers in the Commonwealth. And, Bluegrass Cellular Inc. has been providing these management services to these other wireless carriers for well over a decade. This extensive management experience with Bluegrass Cellular demonstrates that Bluegrass Cellular Inc.'s management and technical ability to supervise the operations of a wireless carrier.

7. Pursuant to 807 KAR §1(1)(g), Eastpointe Engineering Group, LLC is responsible for the design specifications of the proposed tower (identified in Exhibit "B").

8. Pursuant to 807 KAR 5:063 §1(1)(h), a site development plan or survey, signed and sealed by a professional engineer registered in Kentucky, that shows the proposed location of the tower and all easements and existing structures within 500 feet of the proposed site on the property on which the tower will be located, and all easements and existing structures within 200 feet of the access drive, including the intersection with the public street system, is attached as Exhibit “B”.

9. Pursuant to 807 KAR 5:063 §1(1)(i), a vertical profile sketch of the tower, signed and sealed by a professional engineer registered in Kentucky, indicating the height of the tower and the placement of all antennas is attached as Exhibit “B”.

10. Pursuant to 807 KAR 5:063 §1(1)(j), the tower and foundation design plans and a description of the standard according to which the tower was designed, signed and sealed by a professional engineer registered in Kentucky is attached as Exhibit “B”.

11. Pursuant to 807 KAR 5:063 § 1 (1)(k), a map, drawn to a scale no less than one (1) inch equals 200 feet, that identifies every structure and every owner of real estate within 500 feet of the proposed tower is attached as Exhibit “E”.

12. Pursuant to 807 KAR 5:063 § 1 (1)(l), applicant’s legal counsel hereby affirms that every person who owns property within 500 feet of the proposed tower has been: (i) notified by certified mail, return receipt requested, of the proposed construction; (ii) given the commission docket number under which the application will be processed; and (iii) informed of his or her right to request intervention.

13. Pursuant to KRS 278.665(2), applicant’s legal counsel hereby affirms that every person who, according to the records of the property valuation administrator, owns property contiguous to the property where the proposed cellular antenna tower will be located has been:

(i) notified by certified mail, return receipt requested, of the proposed construction; (ii) given the commission docket number under which the application will be processed; and (iii) informed of his or her right to request intervention.

14. Pursuant to 807 KAR 5:063 §1(1)(m), a list of the property owners who received the notice together with copies of the certified letters sent to listed property owners is attached as Exhibit "F".

15. Pursuant to 807 KAR 5:063 § 1 (1)(n), applicant's legal counsel hereby affirms that the office of the Whitley County Judge Executive has been: (i) notified by certified mail, return receipt requested, of the proposed construction; (ii) given the commission docket number under which the application will be processed; and (iii) informed of its right to request intervention.

16. Pursuant to 807 KAR 5:063 §1(1)(o), a copy of the notice sent to the office of the Whitley County Judge Executive is attached as Exhibit "G".

17. Pursuant to 807 KAR 5:063 § 1 (1)(p), applicant's legal counsel hereby affirms that (i) two written notices meeting subsection two (2) of this section have been posted, one in a visible location on the proposed site and one on the nearest public road; and (ii) the notices shall remain posted for at least two weeks after the application has been filed.

18. Pursuant to 807 KAR 5:063 § 1 (2)(a), applicant's legal counsel affirms that:

(a) A written notice, of durable material at least two (2) feet by four (4) feet in size, stating that "**Bluegrass Wireless LLC proposes to construct a telecommunications tower on this site,**" including the addresses and telephone numbers of the applicant and the Kentucky Public Service Commission, has been posted and shall remain in a visible location on the proposed site until final disposition of the application; and

(b) A written notice, of durable material at least two (2) feet by four (4) feet in size, stating that "**Bluegrass Wireless LLC proposes to construct a telecommunications tower near this site,**" including the addresses and telephone

numbers of the applicant and the Kentucky Public Service Commission, has been posted on the public road nearest the site.

A copy of each sign is attached as Exhibit "H".

19. Pursuant to 807 KAR 5:063 § 1 (1)(q), a statement that notice of the location of the proposed construction has been published in a newspaper of general circulation in the county in which the construction is proposed is attached as Exhibit "I".

20. Pursuant to 807 KAR 5:063 § 1(1)(r), the cell site which has been selected is in a relatively undeveloped area in Somerset, Kentucky.

21. Pursuant to 807 KAR 5:063 §1(1)(s), Bluegrass Wireless has considered the likely effects of the installation on nearby land uses and values and has concluded that there is no more suitable location reasonably available from which adequate service to the area can be provided, and that there is no reasonably available opportunity to co-locate. Bluegrass Wireless has attempted to co-locate on towers designed to host multiple wireless service providers' facilities or existing structures, such as a telecommunications tower, or another suitable structure capable of supporting the utility's facilities.

22. Pursuant to 807 KAR 5:063 § 1(1)(t), attached as Exhibit "J" is a map of the area in which the tower is proposed to be located, that is drawn to scale and that clearly depicts the search area in which a site should, pursuant to radio frequency requirements, be located

23. Pursuant to KAR 100.987(2)(a), a grid map, that is drawn to scale, that shows the location of all existing cellular antenna towers and that indicates the general position of proposed construction sites for new cellular antenna towers is attached as Exhibit "K".

24. No reasonably available telecommunications tower, or other suitable structure capable of supporting the cellular facilities of Bluegrass Wireless and which would provide adequate service to the area exists.

25. Correspondence and communication with regard to this application should be addressed to:

John E. Selent
Holly C. Wallace
DINSMORE & SHOHL LLP
1400 PNC Plaza
500 West Jefferson Street
Louisville, KY 40202
(502) 540-2300
(502) 585-2207 (facsimile)
john.selent@dinslaw.com
holly.wallace@dinslaw.com

WHEREFORE, Bluegrass Wireless requests the Commission to enter an order:

1. Granting a certificate of public convenience and necessity to construct the Woodbine cell site; and
2. Granting all other relief as appropriate.

Respectfully submitted,



John E. Selent
Holly C. Wallace
DINSMORE & SHOHL LLP
1400 PNC Plaza
500 West Jefferson Street
Louisville, KY 40202
(502) 540-2300
(502) 585-2207 (facsimile)
john.selent@dinslaw.com
holly.wallace@dinslaw.com

LUKAS, NACE,
GUTIERREZ & SACHS

CHARTERED

1650 TYSONS BOULEVARD, SUITE 1500
MCLEAN, VIRGINIA 22102
703 584 8678 • 703 584 8696 FAX

WWW.FCCLAW.COM

RUSSELL D. LUKAS
DAVID L. NACE
THOMAS GUTIERREZ*
ELIZABETH R. SACHS*
GEORGE L. LYON, JR.
PAMELA L. GIST
DAVID A. LAFURIA
TODD SLAMOWITZ*
B. LYNN F. RATNAVALE*
STEVEN M. CHERNOFF*
KATHERINE PATSAS*

CONSULTING ENGINEERS
ALI KUZEHKANANI
LEILA REZANAVAZ
OF COUNSEL
LEONARD S. KOLSKY*
JOHN CIMKO*
J. K. HAGE III*
JOHN J. MCAVOY*
HON. GERALD S. MCGOWAN*
TAMARA DAVIS-BROWN*

*NOT ADMITTED IN VA

March 6, 2008

Telephone

(703) 584-8668

Via Federal Express

Mr. John Houlihan
Kentucky Airport Zoning Commission
90 Airport Road
Building 400
Frankfort, Kentucky 40601

Dear Mr. Houlihan:

Enclosed please find two completed TC 56-50 forms, Application for Permit to Construct or Alter a Structure, for a new tower (Woodbine) near Corbin, Kentucky. The Structure, including top-mounted antennas will have an overall height of 255 feet Above Ground Level.

Enclosed Form TC 56-50 and the attached exhibit include all the pertinent information for this existing tower structure. Also enclosed are copies of the completed FAA Form 7460-1 for the proposed site, a non-reduced 7-1/2' U.S. Geological Survey map indicating the exact location of the site, and a 2-C survey.

Please do not hesitate to contact the undersigned if there are questions regarding this matter.

Sincerely,

Leila Rezanavaz
Consulting Engineer

Enclosures

CC: Doug Updegraff

Kentucky Transportation Cabinet, Kentucky Airport Zoning Commission, 125 Holmes Street, Frankfort KY 40622

Kentucky Aeronautical Study Number

APPLICATION FOR PERMIT TO CONSTRUCT OR ALTER A STRUCTURE

1. APPLICANT - Name, Address, Telephone, Fax, etc.

Scott McCloud
Bluegrass Wireless
2902 Ring Road
Elizabethtown, KY 42702
Tel: 270-769-0339
Fax: 270-737-0580

9. Latitude: 36 ° 54 ' 35 . 59 "

10. Longitude: 84 ° 06 ' 2 04 "

11. Datum: NAD 83 NAD 27 Other

12. Nearest Kentucky City: Corbin County: Whitley

13. Nearest Kentucky public use or Military airport:

Williamsburg-Whitley County Airport

14. Distance from #13 to Structure: 9.6 miles

15. Direction from #13 to Structure: NE

16. Site Elevation (AMSL): 1375 Feet

17. Total Structure Height (AGL): 255 Feet

18. Overall Height (#16 + #17) (AMSL): 1630 Feet

19. Previous FAA and/or Kentucky Aeronautical Study Number(s):

N/A

20. Description of Location: (Attach a USGS 7.5 minute Quadrangle Map or an Airport Layout Drawing with the precise site marked and any certified survey)

Site is located at:
341 Sutton Mill Road
Corbin, KY 40701

2. Representative of Applicant - Name, Address, Telephone, Fax

Leila Rezanavaz
Lukas, Nace, Gutierrez & Sachs, Chartered
1650 Tysons Blvd., Suite 1500
McLean, VA 22102
T: 703-584-8668

3. Application for: New Construction Alteration Existing

4. Duration: Permanent Temporary (Months _____ Days _____)

5. Work Schedule: Start 5/15/08 End 5/20/08

6. Type: Antenna Tower Crane Building Power Line
 Landfill Water Tank Other

7. Marking/Painting and/or Lighting Preferred:

Red Lights and Paint Dual - Red & Medium Intensity White
 White - Medium Intensity Dual - Red & High Intensity White
 White - High Intensity Other

8. FAA Aeronautical Study Number 2008-ASO-1171-OE

21. Description of Proposal:

Structure: Proposed self-supporting tower with top-mounted antennas for overall height of 255' AGL.

Max ERP: 250 watts.

Frequencies: PCS Block C

22. Has a "NOTICE OF CONSTRUCTION OR ALTERATION" (FAA Form 7460-1)

No

been filed with the Federal Aviation Administration?

Yes, When 3/5/08

CERTIFICATION: I hereby certify that all the above statements made by me are true, complete and correct to the best of my knowledge and belief.

Leila Rezanavaz/Consulting Engineer Leila Rezanavaz 3/6/08

Printed Name

Signature

Date

PENALTIES: Persons failing to comply with Kentucky Revised Statutes (KRS 183.861 through 183.990) and Kentucky Administrative Regulations (602 KAR 050: Series) are liable for fines and/or imprisonment as set forth in KRS 183.990(3). Non-compliance with Federal Aviation Administration Regulations may result in further penalties.

Commission Action:

Chairman, KAZC

Administrator, KAZC

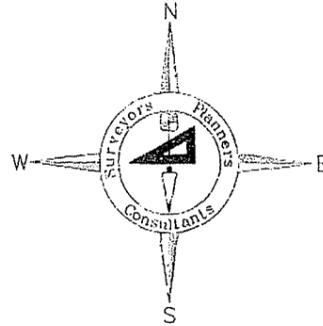
Approved

Disapproved

Date

Landmark Surveying Co., Inc.

Darren L. Helms, R.L.S., PRESIDENT
Dennis N. Helms, R.L.S., VICE PRESIDENT



15 N.E. 3rd Street
Washington, Indiana 47501
Phone: 812-257-0950
Fax: 812-257-0953
E-mail: landmark@dmrtc.net

2C Certification

February 26, 2008

Designation: Woodbine
Site ID No.: Not Available
Tower Type: Proposed Self-Support Tower
Location: 341 Sutton Mill Road, Corbin, KY 40701

I certify that the latitude, longitude, ground elevation and height of the proposed self-support tower are as follows:

Latitude:	36 degrees 54 minutes 35.59 seconds North	(NAD 1983)
Longitude:	84 degrees 06 minutes 02.04 seconds West	(NAD 1983)
Ground Elevation:	1,374.6 feet or 418.98 meters	(NAVD 1988)
Proposed Structure Height:	240 feet or 73.2 meters	(above ground level)
Proposed Overall Structure Height:	not available	(above ground level)

The accuracy of the latitude and longitude of the proposed self-support tower is ± 50 feet or ± 15 meters. The ground elevation and structure height are accurate to within ± 20 feet or ± 6 meters.

The information shown above is based upon field observations made on February 7, 2008 using the National Geodetic Survey monument "FBN NEW" and the Kentucky State Plane Coordinate System, South Zone, NAD 1983 (2007). The field observations were completed using Sokkia GPS receivers and a Topcon GPT-8005A robotic total station. Geodetic computations were completed using Sokkia's Locus software and Autodesk Land Desktop Companion 2008 software.

Landmark Surveying Co., Inc.


Darren L. Helms, Kentucky Professional Land Surveyor No. 3386



Notice of Proposed Construction or Alteration - Off Airport

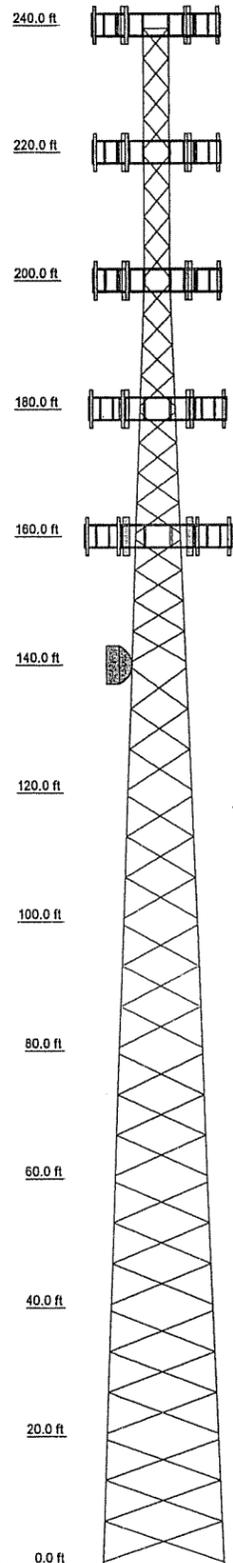
Project Name: BLUEG-00089544-08 Sponsor: Bluegrass Wireless, LLC.

Details for Case : Woodbine

Show Project Summary

Case Status		Structure Summary	
ASN: 2008-ASO-1171-OE	Date Accepted: 03/05/2008	Structure Type: Antenna Tower	
Status: Accepted	Date Determined:	Structure Name: Woodbine	
	Letters: None	FCC Number:	
Construction / Alteration Information		Prior ASN:	
Notice Of: Construction			
Duration: Permanent			
if Temporary : Months: Days:			
Work Schedule - Start: 05/15/2008			
Work Schedule - End: 05/20/2008			
State Filing: Filed with State			
Structure Details		Common Frequency Bands	
Latitude: 36° 54' 35.59" N	Low Freq	High Freq	Freq Unit ERP ERP Unit
Longitude: 84° 6' 2.04" W	824	849	MHz 500 W
Horizontal Datum: NAD83	851	866	MHz 500 W
Site Elevation (SE): 1375 (nearest foot)	869	894	MHz 500 W
Structure Height (AGL): 255 (nearest foot)	Specific Frequencies		
Marking/Lighting: Dual-red and medium intensity			
Other :			
Nearest City: Corbin			
Nearest State: Kentucky			
Description of Location: Site is located at: 341 Sutton Mill Road Corbin, KY 40701			
Description of Proposal: Proposed self supporting tower with top-mounted antennas for overall height of 255' AGL.			

Section	T1	T2	T3	T4	T5	T6	T7	T8	T9	T10	T11	T12	
Legs	SR 1 3/4	SR 2 1/4	SR 2 1/2	SR 2 3/4	SR 3	SR 3 1/2	SR 3 3/4	SR 4	SR 4	SR 4 1/4	SR 4 1/4	SR 4 1/4	
Leg Grade	L1 1/2x1 1/2x3/16												
Diagonals	L1 3/4x1 3/4x3/16												
Diagonal Grade	A572-50												
Top Girts	A36												
Face Width (ft)	4	5.5	7	8.5	10	11.5	13	14.5	16	17.5	19	21 @ 6.33333	
# Panels @ (ft)	0.8	1.1	1.3	1.5	2.0	2.8	2.7	3.2	3.8	4.1	4.8	4.9	
Weight (K)	20 @ 4.75												



DESIGNED APPURTENANCE LOADING

TYPE	ELEVATION	TYPE	ELEVATION
(2) D100-0042-0041 (Initial)	240	T frame sector Mount (Future Carrier 2)	200
(2) D100-0042-0041 (Initial)	240	(2) RWB 80014/120 (Future)	180
(2) D100-0042-0041 (Initial)	240	(2) RWB 80014/120 (Future)	180
Lightning Rod 1"x10'	240	(2) RWB 80014/120 (Future)	180
Flash Beacon Lighting (Initial)	240	T frame sector Mount (Future Carrier 3)	180
T frame sector Mount (Initial)	240	T frame sector Mount (Future Carrier 3)	180
T frame sector Mount (Initial)	240	T frame sector Mount (Future Carrier 3)	180
(2) RWB 80014/120 (Future)	220	T frame sector Mount (Future Carrier 3)	180
(2) RWB 80014/120 (Future)	220	(2) RWB 80014/120 (Future)	160
(2) RWB 80014/120 (Future)	220	(2) RWB 80014/120 (Future)	160
T frame sector Mount (Future Carrier 1)	220	(2) RWB 80014/120 (Future)	160
T frame sector Mount (Future Carrier 1)	220	(2) RWB 80014/120 (Future)	160
T frame sector Mount (Future Carrier 1)	220	T frame sector Mount (Future Carrier 4)	160
(2) RWB 80014/120 (Future)	200	T frame sector Mount (Future Carrier 4)	160
(2) RWB 80014/120 (Future)	200	T frame sector Mount (Future Carrier 4)	160
(2) RWB 80014/120 (Future)	200	HP6-122	140
T frame sector Mount (Future Carrier 2)	200		
T frame sector Mount (Future Carrier 2)	200		

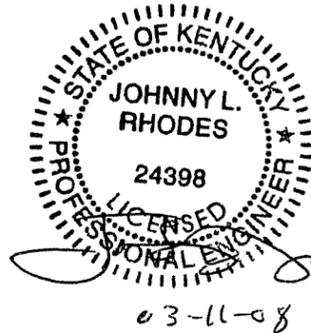
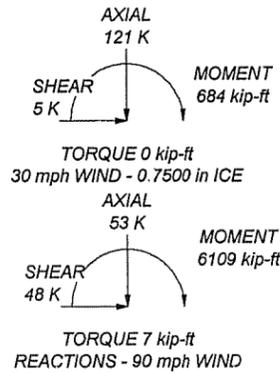
MATERIAL STRENGTH

GRADE	Fy	Fu	GRADE	Fy	Fu
A572-50	50 ksi	65 ksi	A36	36 ksi	58 ksi

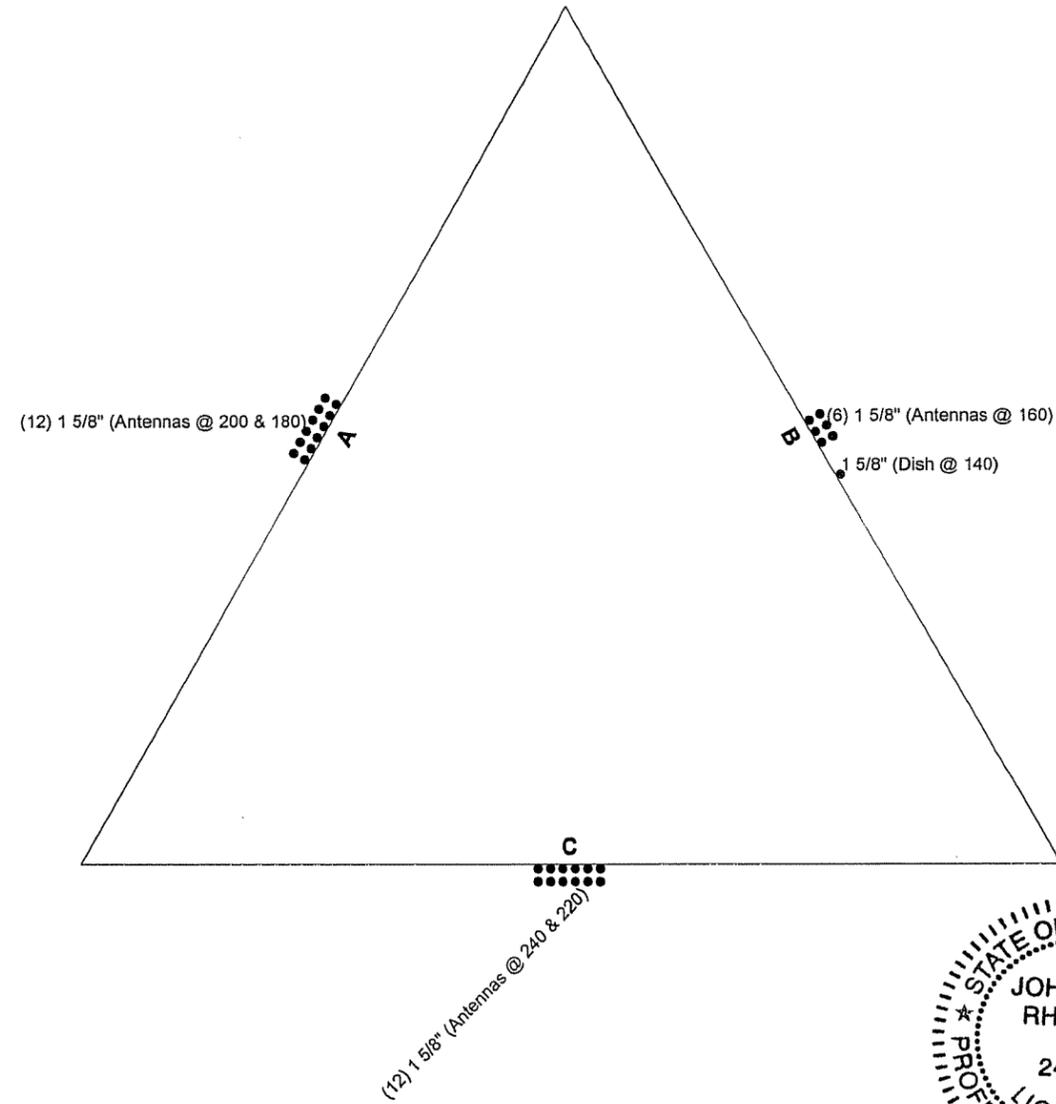
TOWER DESIGN NOTES

1. Tower is located in Whitley County, Kentucky.
2. Tower designed for Exposure C to the TIA-222-G Standard.
3. Tower designed for a 90 mph basic wind in accordance with the TIA-222-G Standard.
4. Tower is also designed for a 30 mph basic wind with 0.75 in ice. Ice is considered to increase in thickness with height.
5. Deflections are based upon a 60 mph wind.
6. Structure Class = II
7. Topographic Category = 1
8. Please see feedline plan for proper feedline placement. Deviation from plan may result in reduced tower capacity.
9. Final Design 03/11/08. JLR

MAX. CORNER REACTIONS AT BASE:
 DOWN: 389 K
 UPLIFT: -339 K
 SHEAR: 28 K



Eastpointe Engineering Group, LLC 4020 Tull Ave Muskogee, OK 74403 Phone: 918.683.2169 FAX: 918.682.7618	Job: EII Job #2803-Woodbine
	Project: 240' SST/Whitley County, KY
	Client: Bluegrass Cellular Drawn by: Johnny L. Rhodes, P.E. App'd:
	Code: TIA-222-G Date: 03/11/08 Scale: NTS
	Path: <small>C:\Users\jrhodes\Documents\2008\Woodbine\2803-Woodbine\2803-Woodbine.dwg</small> Dwg No: E-1



STATE OF KENTUCKY
JOHNNY L. RHODES
24398
PROFESSIONAL ENGINEER
03-11-08

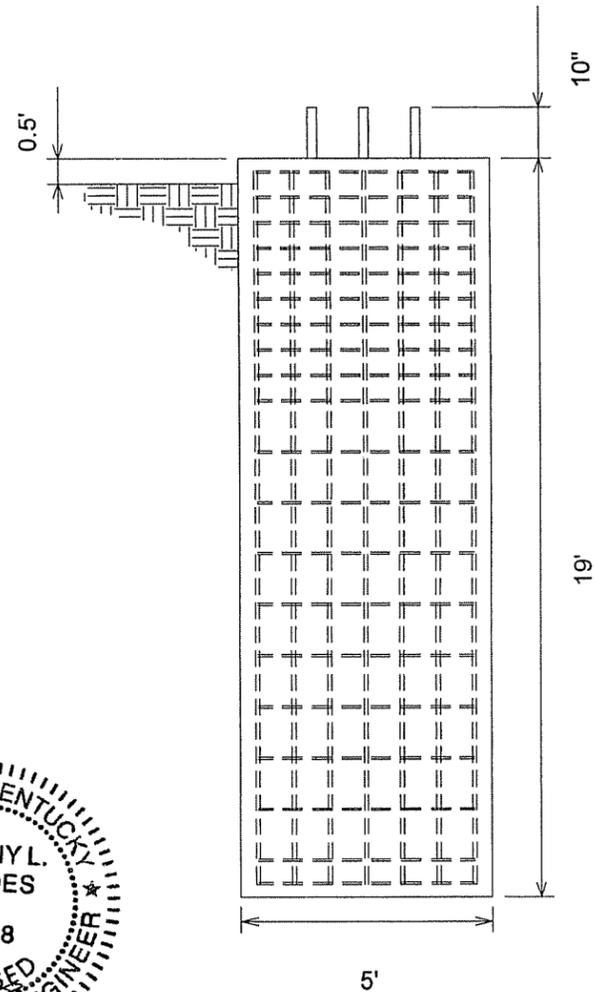
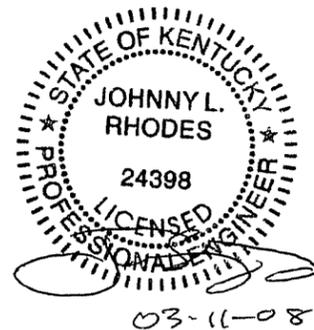
Eastpointe Engineering Group, LLC 4020 Tull Ave Muskogee, OK 74403 Phone: 918.683.2169 FAX: 918.682.7618	Job: EI1 Job #2803-Woodbine		
	Project: 240' SST/Whitley County, KY		
	Client: Bluegrass Cellular	Drawn by: Johnny L. Rhodes, P.E.	App'd:
	Code: TIA-222-G	Date: 03/11/08	Scale: NTS
	Path:		Dwg No: E-7

CAISSON DESIGN

Vertical Bars	(18) #9 bars, 18.5' long
Ties	#5 bars @ 6" c/c for the first 6.5' then 12" c/c thereafter

General Notes

1. Concrete shall be placed in accordance with ACI318-02, latest revision.
2. Concrete shall have a minimum 28 day compressive strength of 4000 PSI.
3. Rebar to conform to ASTM A615 grade 60.
4. Rebar used for ties may be A615 grade 40.
5. All rebar to have a minimum of 3" clear cover.
6. All exposed concrete corners to have 3/4" chamfer.
7. Bottom and side surfaces to rest on undisturbed soil.
8. Contractor shall be responsible to review and follow all recommendations of the geotechnical report.



Supplemental Notes

Soil values obtained from Terracon soils report #57087302 dated 03/10/08
Use (6) 1 1/4" F1554 Grade 105 Anchor Bolts w/ min 50" embedment.

EASTPOINTE ENGINEERING GROUP, LLC 4020 Tull Ave. Muskogee, OK 74403--Phone 918.683.2169--Fax:918.682.7618	Client: Bluegrass Cellular	
	Site: Woodbine	
	Job: 2803	Drawn by: JLR
	Scale: NTS	Date: 03/11/08

GEOTECHNICAL ENGINEERING REPORT
WOODBINE TELECOMMUNICATION TOWER
341 SUTTON MILL ROAD
CORBIN, KENTUCKY
TERRACON PROJECT NO. 57087302
March 10, 2008

Prepared For:

BLUEGRASS CELLULAR PARTNERSHIP
Elizabethtown, Kentucky

Prepared by:

Terracon
Louisville, Kentucky

Terracon

March 10, 2008

Bluegrass Cellular Partnership
2902 Ring Road
Elizabethtown, Kentucky 42702

Attention: Mr. Doug Updegraff

**Re: Geotechnical Engineering Report
Woodbine Telecommunication Tower
341 Sutton Mill Road
Corbin, Kentucky
Terracon Project No. 57087302**

Terracon
Consulting Engineers & Scientists

4545 Bishop Lane, Suite 101
Louisville, Kentucky 40218
Phone 502.456.1256
Fax 502.456.1278
www.terracon.com

Dear Mr. Updegraff:

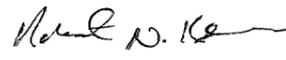
The results of our subsurface exploration are attached. The purpose of this exploration was to obtain information on subsurface conditions at the proposed project site and, based on this information, to provide recommendations regarding the design and construction of the foundations for the proposed tower.

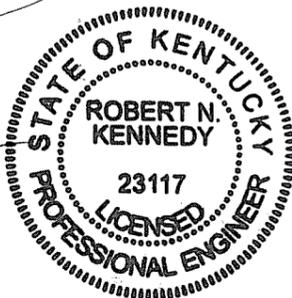
Terracon's geotechnical design parameters and recommendations within this report apply to the existing planned tower height and would apply to adjustments in the tower height, up to a 20% increase or decrease in height, as long as the type of tower does not change. If changes in the height of the tower dictate a change in tower type (ie - monopole to a self-support, self-support to a guyed tower), Terracon should be contacted to evaluate our recommendations with respect to these changes.

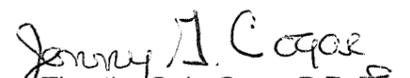
We appreciate the opportunity to be of service to you on this project. If you have any questions concerning this report, or if we may be of further service to you in any way, please feel free to contact us.

Sincerely,
Terracon


Timothy M. Hitchcock, EIT
Staff Engineer


Robert N. Kennedy, P.E.
Kentucky No.: 23117




Timothy G. LaGrow, P.E.
Regional Manager

Copies: (4) Addressee

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APPENDIX

Boring Location Plan

Boring Log

Soil Resistivity Test Results Sheet

General Notes

General Notes -- Description of Rock Properties

Unified Soil Classification System

GEOTECHNICAL ENGINEERING REPORT
WOODBINE TELECOMMUNICATION TOWER
341 SUTTON MILL ROAD
CORBIN, KENTUCKY
TERRACON PROJECT NO. 57087302
March 10, 2008

1.0 INTRODUCTION

The purpose of this report is to describe the subsurface conditions encountered in the boring, analyze and evaluate the test data, and provide recommendations regarding the design and construction of the foundations and earthwork for the proposed tower. One boring extending to a depth of about 18½ feet below the existing ground surface was drilled at the site. An individual boring log and a boring location plan are included with this report.

2.0 PROJECT DESCRIPTION

Terracon understands the proposed project will consist of the construction of a 240-foot self supporting lattice tower. Exact tower loads are not available, but based on our past experience are anticipated to be as follows:

Vertical Load:	600 kips
Horizontal Shear:	80 kips
Uplift:	500 kips

A small, lightly loaded equipment building will also be constructed. Wall and floor loads for this building are not anticipated to exceed 1 kip per linear foot and 100 pounds per square foot, respectively. The subject site consists of an approximate 100- by 100-foot parcel of land located at 341 Sutton Mill Road in Corbin, Kentucky. Based on the provided drawings and site information, the approximate elevation at the center of tower is EL 1350. We have assumed minimal cuts and/or fills will be required to reach the planned site grades.

3.0 EXPLORATION PROCEDURES

3.1 Field Exploration

The subsurface exploration consisted of drilling and sampling one boring at the site to a depth of about 18½ feet below existing grade. The boring was advanced at the center of the tower, staked by the project surveyor. The ground surface elevation at the boring location was obtained from drawings and information provided by the client. The location and elevation of the boring should be considered accurate only to the degree implied by the means and methods used to define them.

The boring was drilled with an ATV-mounted rotary drill rig using hollow stem augers to advance the borehole. Representative soil samples were obtained by the split-barrel sampling procedure in general accordance with the appropriate standard. In the split-barrel sampling procedure, the number of blows required to advance a standard 2-inch O.D. split-barrel sampler the last 12 inches of the typical total 18-inch penetration by means of a 140-pound hammer with a free fall of 30 inches, is the standard penetration resistance (SPT) value (N-Value). This value is used to estimate the in-situ relative density of cohesionless soils and the consistency of cohesive soils. The sampling depths, penetration distance, and SPT N-Values are shown on the boring log. The samples were sealed and delivered to the laboratory for testing and classification.

Auger refusal was encountered at a depth of about 8½ feet below the existing ground surface. The boring was extended into the refusal materials using a diamond bit attached to the outer barrel of a double core barrel. The inner barrel collected the cored material as the outer barrel was rotated at high speeds to cut the rock. The barrel was retrieved to the surface upon completion of each drill run. Once the core samples were retrieved, they were placed in a box and logged. The rock was later classified by an engineer and the "percent recovery" and rock quality designation (RQD) were determined.

The "percent recovery" is the ratio of the sample length retrieved to the drilled length, expressed as a percent. An indication of the actual in-situ rock quality is provided by calculating the sample's RQD. The RQD is the percentage of the length of broken cores retrieved which have core segments at least 4 inches in length compared to each drilled length. The RQD is related to rock soundness and quality as illustrated below:

Table 1 – Rock Quality Designation (RQD)

Relation of RQD and In-situ Rock Quality	
RQD (%)	Rock Quality
90 - 100	Excellent
75 - 90	Good
50 - 75	Fair
25 - 50	Poor
0 -25	Very Poor

A field log of the boring was prepared by a subcontract driller. This log included visual classifications of the materials encountered during drilling as well as the driller's interpretation of the subsurface conditions between samples. The final boring log included with this report represents an interpretation of the driller's field log and a visual classification of the soil samples made by the Geotechnical Engineer.

3.2 Laboratory Testing

The samples were classified in the laboratory based on visual observation, texture and plasticity. The descriptions of the soils indicated on the boring log are in accordance with the enclosed General Notes and the Unified Soil Classification System. Estimated group symbols according to the Unified Soil Classification System are given on the boring log. A brief description of this classification system is attached to this report.

The laboratory testing program consisted of performing water content tests on representative soil samples. Information from these tests was used in conjunction with field penetration test data to evaluate soil strength in-situ, volume change potential, and soil classification. Results of these tests are provided on the boring log.

Classification and descriptions of rock core samples are in accordance with the enclosed General Notes, and are based on visual and tactile observations. Petrographic analysis of thin sections may indicate other rock types. Percent recovery and rock quality designation (RQD) were calculated for these samples and are noted at their depths of occurrence on the boring log.

4.0 EXPLORATORY FINDINGS

4.1 Subsurface Conditions

Conditions encountered at the boring location are indicated on the boring log. Stratification boundaries on the boring log represent the approximate location of changes in soil types and the transition between materials may be gradual. Water levels shown on the boring log represent the conditions only at the time of our exploration. Based on the results of the boring, subsurface conditions on the project site can be generalized as follows.

Underlying approximately 4 inches of topsoil our boring encountered fill to the auger refusal depth of about 8½ feet below existing grade. The fill consisted of lean clay with coal and sandstone rock fragments.

Below a depth of about 8½ feet, rock coring techniques were used to advance the borehole. The recovered core sample consisted of slight to moderately weathered, moderately hard, closely jointed, light to medium gray shale with thin sandstone seams. The bedrock at the site appears to be relatively continuous based on a core recovery of 98 percent. The quality of the rock is rated at poor based on a RQD value of 35 percent. Considering the height of the tower and the quality of the bedrock, coring operations were terminated at a depth of 18½ feet below grade.

4.2 Site Geology

A review of the Geologic Map of Corbin Quadrangle published by the United States Geological Survey (USGS) indicates that the site is underlain by Breathitt Formation of the Carboniferous age. The formation is comprised of sandstone, siltstone, shale and limestone with coal deposits and ranges up to 480 feet thick.

4.3 Groundwater Conditions

No groundwater was encountered during the auger drilling portion of the borehole. Water was used to advance the borehole during rock coring operations. The introduction of water into the borehole precluded obtaining accurate groundwater level readings at the time of drilling operations. Long term observation of the groundwater level in monitoring wells, sealed from the influence of surface water, would be required to obtain accurate groundwater levels on the site.

It should be recognized that fluctuations of the groundwater table may occur due to seasonal variations in the amount of rainfall, runoff and other factors not evident at the time the boring was performed. Therefore, groundwater levels during construction or at other times in the life of the structure may be higher or lower than the levels indicated on the boring log. The possibility of groundwater level fluctuations should be considered when developing the design and construction plans for the project.

5.0 ENGINEERING RECOMMENDATIONS

Based on the encountered subsurface conditions, the tower can be constructed on drilled piers. Due to the presence of fill on this site, a mat foundation is not recommended unless the existing fill is removed in its entirety. This office should be contacted for further recommendations if a mat foundation option is desired. The lightly loaded equipment building can be supported on shallow spread footings after modification to the existing fill. Drilled pier and shallow foundation recommendations are presented in the following paragraphs.

5.1 Tower Foundation

Drilled Pier Alternative: Based on the results of the boring, the following tower foundation design parameters have been developed:

Table 2 - Drilled Pier Foundation Design Parameters

Depth * (feet)	Description **	Allowable Skin Friction (psf)	Allowable End Bearing Pressure (psf)	Allowable Passive Pressure (psf)	Internal Angle of Friction (Degree)	Cohesion (psf)	Lateral Subgrade Modulus (pci)	Strain, &sub50 (in/in)
0 - 3	Topsoil and Lean Clay Fill	Ignore	Ignore	Ignore	-	-	Ignore	Ignore
3 - 8½	Fill, Lean Clay	Ignore	Ignore	500	0	500	40	0.02
8½ - 18½	Shale	1,500***	20,000	3,000***	0	30,000***	1,000	0.0001

* Pier inspection is recommended to adjust pier length if variable soil/rock conditions are encountered.

** A total unit weight of 115 and 120 pcf can be estimated for the lean clay and shale, respectively.

*** The parameters have been reduced to take into account the shallow overburden. The pier should be embedded a minimum of 3 feet into bedrock to mobilize these higher rock strength parameters. Furthermore, it is assumed the rock socket will be extended using coring techniques rather than blasting/shooting.

The above indicated cohesion, friction angle, lateral subgrade modulus and strain values have no factors of safety, and the allowable skin friction and the passive resistances have factors of safety of 2. The cohesion, internal friction angle, lateral subgrade modulus and strain values given in the above table are based on the boring, published correlation values and Terracon's past experience with similar soil/rock types. These values should, therefore, be considered approximate. To mobilize the higher rock strength parameters, the pier should be socketed at least 3 feet into bedrock. Furthermore, it is assumed that the rock socket is developed using coring rather than blasting techniques. The allowable end bearing pressure provided in the table has an approximate factor of safety of at least 3. Total settlement of drilled piers designed using the above parameters is not anticipated to exceed ½ inch.

The upper 3 feet of topsoil and lean clay fill should be ignored due to the potential affects of frost action and construction disturbance. To avoid a reduction in uplift and lateral resistance caused by variable bedrock depths and bedrock quality, it is recommended that a minimum pier length and minimum rock socket length be stated on the design drawings. Bedrock was encountered in our boring below a depth of about 8½ feet, but could vary between tower legs, or if the tower is moved from the location of our boring. Considering the site geology, variable rock depths should be anticipated if the tower location is moved from the location of the boring. If the tower center is moved from the planned location, Terracon should be notified to review the recommendations and determine whether an additional boring is required. To facilitate pier length adjustments that may be necessary because of variable rock conditions, it is recommended that a Terracon representative observe the drilled pier excavation.

A drilled pier foundation should be designed with a minimum shaft diameter of 30 inches to facilitate clean out and possible dewatering of the pier excavation. Temporary casing may be required during the pier excavation in order to control possible groundwater seepage and support the sides of the excavation in weak soil zones. Care should be taken so that the sides and bottom of the excavations are not disturbed during construction. The bottom of the shaft should be free of loose soil or debris prior to reinforcing steel and concrete placement.

A concrete slump of at least 6 inches is recommended to facilitate temporary casing removal. It should be possible to remove the casing from a pier excavation during concrete placement provided that the concrete inside the casing is maintained at a sufficient level to resist any earth and hydrostatic pressures outside the casing during the entire casing removal procedure.

5.2 Equipment Building Foundations

Considering the questionable nature of the fill, it is recommended that the building area be undercut in its entirety, and backfilled with well compacted fill. The undercut should extend at least 5 feet outside the building area. The proposed equipment shed may then be supported on shallow footings bearing on the newly compacted fill. Alternatively, the shed footings can be extended through the fill and placed on natural soils/bedrock. The floor slab can be ground supported provided the slab area passes a proofroll test. With the second alternative, the owner would have to accept somewhat higher than normal risk of floor slab settlement associated with the uncertain characteristics of the fill.

The proposed equipment shed may be supported on shallow footings bearing on well compacted engineered fill. The equipment building foundations should be dimensioned using a net allowable soil bearing pressure of 2,000 pounds per square foot (psf). In using net allowable soil pressures for footing dimensioning, the weight of the footings and backfill over the footings need not be considered. Furthermore, the footings should be at least 12 inches wide and a minimum of 2 feet square.

The geotechnical engineer or a qualified representative should observe the foundation excavations to verify that the bearing materials are suitable for support of the proposed loads. If, at the time of such observation, any soft soils are encountered at the design foundation elevation, the excavations should be extended downward so that the footings rest on stiff soils. If it is inconvenient to lower the footings, the proposed footing elevations may be re-established by backfilling after the undesirable material has been removed.

The recommended soil bearing value should be considered an upper limit, and any value less than that listed above would be acceptable for the foundation system. Using the value given, total settlement would be about 1 inch or less with differential settlements being less than 75 percent of total settlement. Footings should be placed at a depth of 2 feet, or greater, below finished exterior grade for protection against frost damage.

5.3 Parking and Drive Areas

The drive that accesses the site will be surfaced with crushed stone. Parking and drive areas that are surfaced with crushed stone should have a minimum thickness of 6 inches and be properly placed and compacted as outlined herein. The crushed stone should meet Kentucky Transportation Cabinet specifications and applicable local codes.

A paved section consisting only of crushed graded aggregate base course should be considered a high maintenance section. Regular care and maintenance is considered essential to the longevity and use of the section. Site grades should be maintained in such a manner as to allow for adequate surface runoff. Any potholes, depressions or excessive rutting that may develop should be repaired as soon as possible to reduce the possibility of degrading the soil subgrade.

5.4 Site Preparation

Site preparation should begin with the removal of any topsoil, loose, soft or otherwise unsuitable materials from the construction area. The geotechnical engineer should evaluate the actual stripping depth, along with any soft soils that require undercutting at the time of construction.

Any fill and backfill placed on the site should consist of approved materials that are free of organic matter and debris. Suitable fill materials should consist of well graded crushed stone below the tower foundation and well graded crushed stone or low plasticity cohesive soil elsewhere. Low-plasticity cohesive soil should have a liquid limit of less than 45 percent and a plasticity index of less than 25 percent. The on site soils that are free of coal or other deleterious materials are considered suitable for re-use as fill. It is recommended that during construction these soils should be further tested and evaluated prior to use as fill. Fill should not contain frozen material and it should not be placed on a frozen subgrade.

The fill should be placed and compacted in lifts of 9 inches or less in loose thickness. Fill placed below structures or used to provide lateral resistance should be compacted to at least 98 percent of the material's maximum standard Proctor dry density (ASTM D-698). Fill should be placed, compacted, and maintained at moisture contents within minus 1 to plus 3 percent of the optimum value determined by the standard Proctor test.

The geotechnical engineer should be retained to monitor fill placement on the project and to perform field density tests as each lift of fill is placed in order to evaluate compliance with the design requirements. Standard Proctor and Atterberg limits tests should be performed on the representative samples of fill materials before their use on the site.

5.5 Resistivity Analysis

Resistivity of the subsurface soils was measured at the site using a Nilsson Model 400 soil resistivity meter. The Wenner Vertical Profiling Method was used. With this array, potential electrodes are centered on a traverse line between the current electrodes and an equal "A" spacing between electrodes is maintained. Resistivity measurements were taken along 2 traverses located along the perimeter of the staked tower compound. Individual resistivity values at 5, 10, 15, 20, 30 and 40 foot spacings are presented on the soil resistivity test sheet in the Appendix.

6.0 GENERAL COMMENTS

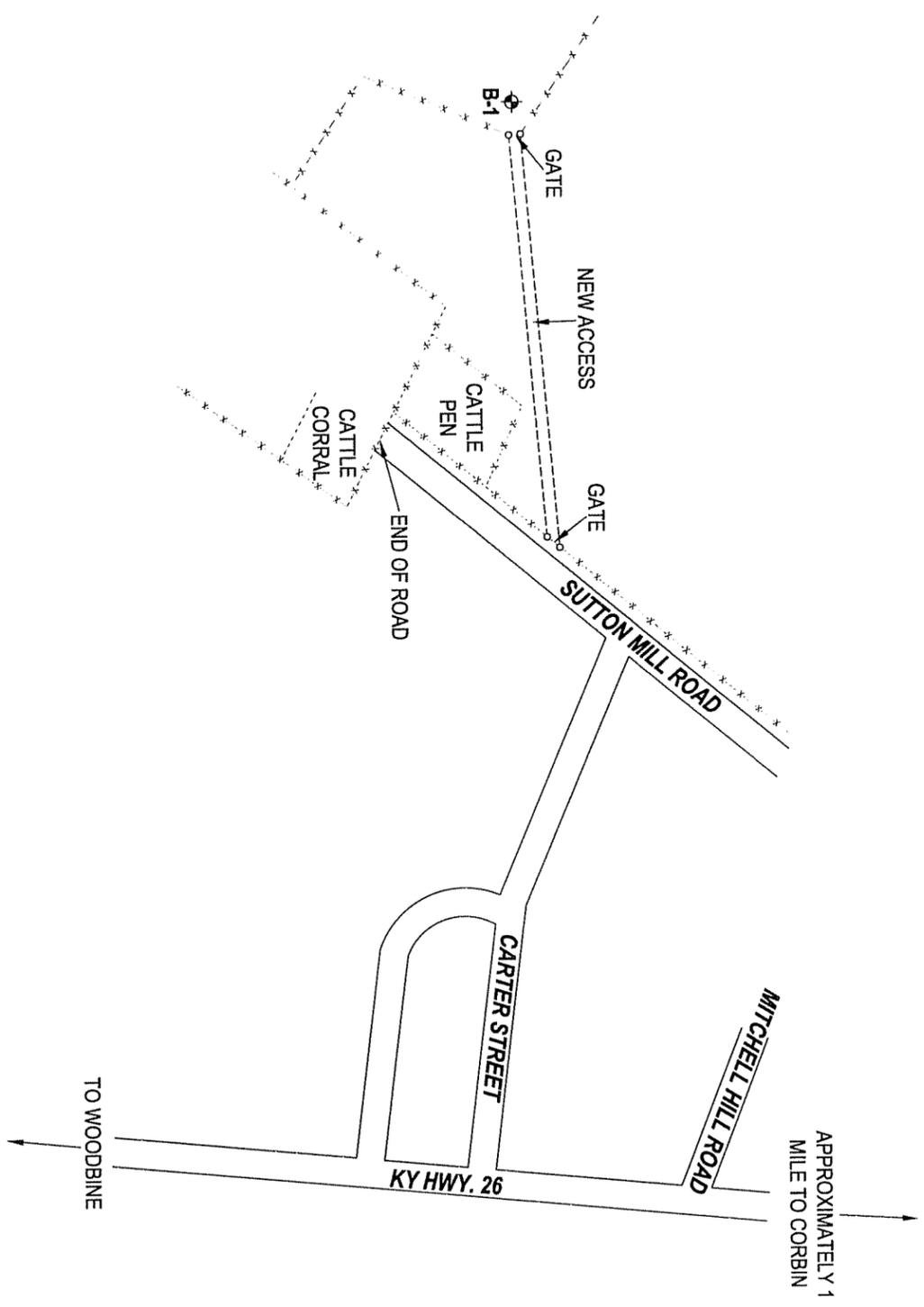
Terracon should be retained to review the final design plans and specifications so comments can be made regarding interpretation and implementation of our geotechnical recommendations in the design and specifications. Terracon also should be retained to provide testing and observation during excavation, grading, foundation and construction phases of the project.

The analysis and recommendations presented in this report are based upon the data obtained from the boring performed at the indicated location and from other information discussed in this report. This report does not reflect variations that may occur across the site, or due to the modifying effects of weather. The nature and extent of such variations may not become evident until during or after construction. If variations appear, we should be immediately notified so that further evaluation and supplemental recommendations can be provided.

The scope of services for this project does not include either specifically or by implication any environmental or biological (e.g., mold, fungi, bacteria) assessment of the site or identification or prevention of pollutants, hazardous materials or conditions. If the owner is concerned about the potential for such contamination or pollution, other studies should be undertaken.

This report has been prepared for the exclusive use of our client for specific application to the project discussed and has been prepared in accordance with generally accepted geotechnical engineering practices. No warranties, either express or implied, are intended or made. Site safety, excavation support, and dewatering requirements are the responsibility of others. In the event that changes in the nature, design, or location of the project as outlined in this report are planned, the conclusions and recommendations contained in this report shall not be considered valid unless Terracon reviews the changes and either verifies or modifies the conclusions of this report in writing.

APPENDIX



NOT TO SCALE

LEGEND

 APPROXIMATE BORING LOCATION

Project Mgr:	TMH	Project No.:	57087202
Drawn By:	DWD	Scale:	AS SHOWN
Checked By:	TMH/MRF	File No.:	66597697302-1
Approved By:	EH	Date:	FEB. 2008

Terracon
 Consulting Engineers and Scientists
 4545 Barton Lane, Suite 101
 Louisville, KY 40228
 (502) 455-1255

BORING LOCATION DIAGRAM
 GEOTECHNICAL ENGINEERING REPORT
 WOODBINE TELECOMMUNICATION TOWER
 SUTTON MILL ROAD
 CORBIN, KY

FIG. No. 1

THIS DIAGRAM IS FOR GENERAL LOCATION ONLY, AND IS NOT INTENDED FOR CONSTRUCTION PURPOSES

LOG OF BORING NO. B-1

CLIENT **Bluegrass Cellular Partnership**

SITE **Sutton Mill Road
Corbin, Kentucky** PROJECT **Woodbine Telecommunication Tower**

GRAPHIC LOG	DESCRIPTION	DEPTH, ft.	SAMPLES				TESTS		
			USCS SYMBOL	NUMBER	TYPE	RECOVERY, in.	SPT - N BLOWS / ft.	WATER CONTENT, %	DRY UNIT WT pcf
	Approx. Surface Elev.: 1350 ft								
0.3	TOPSOIL FILL , lean clay with trace sand, orangish brown mottled gray, with coal & sandstone fragments	1349.5		1	SS	0	14		
				2	SS	6	4	20	
				3	SS	12	31	19	
8.5	Auger Refusal at 8.5 feet, Began Coring SHALE with thin sandstone seams, slight to moderately weathered, closely jointed, light to medium gray, moderately hard	1341.5		4	DB	98%	RQD 35%		
18.5	Boring Terminated at 18.5 feet	1331.5							

The stratification lines represent the approximate boundary lines between soil and rock types: in-situ, the transition may be gradual.

WATER LEVEL OBSERVATIONS, ft			
WL	▽	N/E	WD
WL	▽		▽
WL			



BORING STARTED	2-19-08
BORING COMPLETED	2-19-08
RIG CME-550	FOREMAN MW
APPROVED TMH	JOB # 57087302

BOREHOLE 99 57087302 LOGS.GPJ TERRACON.GDT 3/10/08



Project: Woodbine Tower
Project No.: 57087302
Performed By: LMH
Checked By: TMH

Soil Resistivity

At-Grade Measurements (equal rod spacing)

Location	Depth of Interest (feet)	Electrode Spacing from Center (feet)		Resistance (ohms)		Resistivity (ohm-cm)
		Inner	Outer	Dial Reading	Range Switch	
A- A'	5	2.5	7.5	5.0	1.0	4788
	10	5	15	3.4	1.0	6511
	15	7.5	22.5	2.5	1.0	7181
	20	10	30	2.9	1.0	11107
	30	15	45	1.4	1.0	8043
	40	20	60	9.0	0.1	6894
B-B'	5	2.5	7.5	6.2	1.0	5937
	10	5	15	3.4	1.0	6511
	15	7.5	22.5	2.7	1.0	7756
	20	10	30	2.3	1.0	8809
	30	15	45	1.3	1.0	7469
	40	20	60	1.3	1.0	9958

Resistivity (ohm-cm) = $2 \cdot \pi \cdot a \cdot R \cdot 30.48$

R = resistivity (dial reading * range switch)

a = electrode spacing

Equipment Usage: Nilsson Soil Resistance Meter - Model 400

Additional Notes:

GENERAL NOTES

DRILLING & SAMPLING SYMBOLS:

SS:	Split Spoon - 1-3/8" I.D., 2" O.D., unless otherwise noted	HS:	Hollow Stem Auger
ST:	Thin-Walled Tube - 2" O.D., unless otherwise noted	PA:	Power Auger
RS:	Ring Sampler - 2.42" I.D., 3" O.D., unless otherwise noted	HA:	Hand Auger
DB:	Diamond Bit Coring - 4", N, B	RB:	Rock Bit
BS:	Bulk Sample or Auger Sample	WB:	Wash Boring or Mud Rotary

The number of blows required to advance a standard 2-inch O.D. split-spoon sampler (SS) the last 12 inches of the total 18-inch penetration with a 140-pound hammer falling 30 inches is considered the "Standard Penetration" or "N-value".

WATER LEVEL MEASUREMENT SYMBOLS:

WL:	Water Level	WS:	While Sampling	N/E:	Not Encountered
WCI:	Wet Cave in	WD:	While Drilling		
DCI:	Dry Cave in	BCR:	Before Casing Removal		
AB:	After Boring	ACR:	After Casing Removal		

Water levels indicated on the boring logs are the levels measured in the borings at the times indicated. Groundwater levels at other times and other locations across the site could vary. In pervious soils, the indicated levels may reflect the location of groundwater. In low permeability soils, the accurate determination of groundwater levels may not be possible with only short-term observations.

DESCRIPTIVE SOIL CLASSIFICATION: Soil classification is based on the Unified Classification System. Coarse Grained Soils have more than 50% of their dry weight retained on a #200 sieve; their principal descriptors are: boulders, cobbles, gravel or sand. Fine Grained Soils have less than 50% of their dry weight retained on a #200 sieve; they are principally described as clays if they are plastic, and silts if they are slightly plastic or non-plastic. Major constituents may be added as modifiers and minor constituents may be added according to the relative proportions based on grain size. In addition to gradation, coarse-grained soils are defined on the basis of their in-place relative density and fine-grained soils on the basis of their consistency.

CONSISTENCY OF FINE-GRAINED SOILS

<u>Unconfined Compressive Strength, Qu, psf</u>	<u>Standard Penetration or N-value (SS) Blows/Ft.</u>	<u>Consistency</u>
< 500	<2	Very Soft
500 - 1,000	2-4	Soft
1,001 - 2,000	5-7	Medium Stiff
2,001 - 4,000	8-15	Stiff
4,001 - 8,000	16-30	Very Stiff
8,000+	30+	Hard

RELATIVE DENSITY OF COARSE-GRAINED SOILS

<u>Standard Penetration or N-value (SS) Blows/Ft.</u>	<u>Relative Density</u>
0 - 3	Very Loose
4 - 9	Loose
10 - 29	Medium Dense
30 - 49	Dense
50+	Very Dense

RELATIVE PROPORTIONS OF SAND AND GRAVEL

<u>Descriptive Term(s) of other constituents</u>	<u>Percent of Dry Weight</u>
Trace	< 15
With	15 - 29
Modifier	> 30

GRAIN SIZE TERMINOLOGY

<u>Major Component of Sample</u>	<u>Particle Size</u>
Boulders	Over 12 in. (300mm)
Cobbles	12 in. to 3 in. (300mm to 75 mm)
Gravel	3 in. to #4 sieve (75mm to 4.75 mm)
Sand	#4 to #200 sieve (4.75mm to 0.075mm)
Silt or Clay	Passing #200 Sieve (0.075mm)

RELATIVE PROPORTIONS OF FINES

<u>Descriptive Term(s) of other constituents</u>	<u>Percent of Dry Weight</u>
Trace	< 5
With	5 - 12
Modifiers	> 12

PLASTICITY DESCRIPTION

<u>Term</u>	<u>Plasticity Index</u>
Non-plastic	0
Low	1-10
Medium	11-30
High	30+

GENERAL NOTES
Description of Rock Properties

WEATHERING

Fresh	Rock fresh, crystals bright, few joints may show slight staining. Rock rings under hammer if crystalline.
Very slight	Rock generally fresh, joints stained, some joints may show thin clay coatings, crystals in broken face show bright. Rock rings under hammer if crystalline.
Slight	Rock generally fresh, joints stained, and discoloration extends into rock up to 1 in. Joints may contain clay. In granitoid rocks some occasional feldspar crystals are dull and discolored. Crystalline rocks ring under hammer.
Moderate	Significant portions of rock show discoloration and weathering effects. In granitoid rocks, most feldspars are dull and discolored; some show clayey. Rock has dull sound under hammer and shows significant loss of strength as compared with fresh rock.
Moderately severe	All rock except quartz discolored or stained. In granitoid rocks, all feldspars dull and discolored and majority show kaolinization. Rock shows severe loss of strength and can be excavated with geologist's pick.
Severe	All rock except quartz discolored or stained. Rock "fabric" clear and evident, but reduced in strength to strong soil. In granitoid rocks, all feldspars kaolinized to some extent. Some fragments of strong rock usually left.
Very severe	All rock except quartz discolored or stained. Rock "fabric" discernible, but mass effectively reduced to "soil" with only fragments of strong rock remaining.
Complete	Rock reduced to "soil". Rock "fabric" not discernible or discernible only in small, scattered locations. Quartz may be present as dikes or stringers.

HARDNESS (for engineering description of rock – not to be confused with Moh's scale for minerals)

Very hard	Cannot be scratched with knife or sharp pick. Breaking of hand specimens requires several hard blows of geologist's pick.
Hard	Can be scratched with knife or pick only with difficulty. Hard blow of hammer required to detach hand specimen.
Moderately hard	Can be scratched with knife or pick. Gouges or grooves to ¼ in. deep can be excavated by hard blow of point of a geologist's pick. Hand specimens can be detached by moderate blow.
Medium	Can be grooved or gouged 1/16 in. deep by firm pressure on knife or pick point. Can be excavated in small chips to pieces about 1-in. maximum size by hard blows of the point of a geologist's pick.
Soft	Can be gouged or grooved readily with knife or pick point. Can be excavated in chips to pieces several inches in size by moderate blows of a pick point. Small thin pieces can be broken by finger pressure.
Very soft	Can be carved with knife. Can be excavated readily with point of pick. Pieces 1-in. or more in thickness can be broken with finger pressure. Can be scratched readily by fingernail.

Joint, Bedding and Foliation Spacing in Rock^a

Spacing	Joints	Bedding/Foliation
Less than 2 in.	Very close	Very thin
2 in. – 1 ft.	Close	Thin
1 ft. – 3 ft.	Moderately close	Medium
3 ft. – 10 ft.	Wide	Thick
More than 10 ft.	Very wide	Very thick

Rock Quality Designator (RQD) ^b		Joint Openness Descriptors	
RQD, as a percentage	Diagnostic description	Openness	Descriptor
Exceeding 90	Excellent	No Visible Separation	Tight
90 – 75	Good	Less than 1/32 in.	Slightly Open
75 – 50	Fair	1/32 to 1/8 in.	Moderately Open
50 – 25	Poor	1/8 to 3/8 in.	Open
Less than 25	Very poor	3/8 in. to 0.1 ft.	Moderately Wide
		Greater than 0.1 ft.	Wide

- a. Spacing refers to the distance normal to the planes, of the described feature, which are parallel to each other or nearly so.
b. RQD (given as a percentage) = length of core in pieces 4 in. and longer/length of run.

References: American Society of Civil Engineers. Manuals and Reports on Engineering Practice - No. 56. Subsurface Investigation for Design and Construction of Foundations of Buildings. New York: American Society of Civil Engineers, 1976.
U.S. Department of the Interior, Bureau of Reclamation, Engineering Geology Field Manual.

UNIFIED SOIL CLASSIFICATION SYSTEM

Criteria for Assigning Group Symbols and Group Names Using Laboratory Tests^A

			Soil Classification			
			Group Symbol	Group Name ^B		
Coarse Grained Soils More than 50% retained on No. 200 sieve	Gravels More than 50% of coarse fraction retained on No. 4 sieve	Clean Gravels Less than 5% fines ^C	$Cu \geq 4$ and $1 \leq Cc \leq 3^E$	GW	Well-graded gravel ^F	
		Gravels with Fines More than 12% fines ^C	Fines classify as ML or MH	GP	Poorly graded gravel ^F	
		Fines classify as CL or CH	GM	Silty gravel ^{F, G, H}		
	Sands 50% or more of coarse fraction passes No. 4 sieve	Clean Sands Less than 5% fines ^D	$Cu \geq 6$ and $1 \leq Cc \leq 3^E$	SW	Well-graded sand ^I	
		Sands with Fines More than 12% fines ^D	Fines classify as ML or MH	SP	Poorly graded sand ^I	
		Fines Classify as CL or CH	SM	Silty sand ^{G, H, I}		
Fine-Grained Soils 50% or more passes the No. 200 sieve	Silt and Clays Liquid limit less than 50	inorganic	$PI > 7$ and plots on or above "A" line ^J	CL	Lean clay ^{K, L, M}	
		organic	$PI < 4$ or plots below "A" line ^J	ML	Silt ^{K, L, M}	
		Liquid limit - oven dried	< 0.75	OL	Organic clay ^{K, L, M, N}	
		Liquid limit - not dried	< 0.75	OH	Organic silt ^{K, L, M, O}	
	Silt and Clays Liquid limit 50 or more	inorganic	PI plots on or above "A" line	CH	Fat clay ^{K, L, M}	
		organic	PI plots below "A" line	MH	Elastic Silt ^{K, L, M}	
		Liquid limit - oven dried	< 0.75	OH	Organic clay ^{K, L, M, P}	
		Liquid limit - not dried	< 0.75	OH	Organic silt ^{K, L, M, Q}	
		Highly organic soils		Primarily organic matter, dark in color, and organic odor	PT	Peat

^ABased on the material passing the 3-in. (75-mm) sieve

^BIf field sample contained cobbles or boulders, or both, add "with cobbles or boulders, or both" to group name.

^CGravels with 5 to 12% fines require dual symbols: GW-GM well-graded gravel with silt, GW-GC well-graded gravel with clay, GP-GM poorly graded gravel with silt, GP-GC poorly graded gravel with clay.

^DSands with 5 to 12% fines require dual symbols: SW-SM well-graded sand with silt, SW-SC well-graded sand with clay, SP-SM poorly graded sand with silt, SP-SC poorly graded sand with clay

$$^E C_u = D_{60}/D_{10} \quad C_c = \frac{(D_{30})^2}{D_{10} \times D_{60}}$$

^FIf soil contains $\geq 15\%$ sand, add "with sand" to group name.

^GIf fines classify as CL-ML, use dual symbol GC-GM, or SC-SM.

^HIf fines are organic, add "with organic fines" to group name.

^IIf soil contains $\geq 15\%$ gravel, add "with gravel" to group name.

^JIf Atterberg limits plot in shaded area, soil is a CL-ML, silty clay.

^KIf soil contains 15 to 29% plus No. 200, add "with sand" or "with gravel," whichever is predominant.

^LIf soil contains $\geq 30\%$ plus No. 200 predominantly sand, add "sandy" to group name.

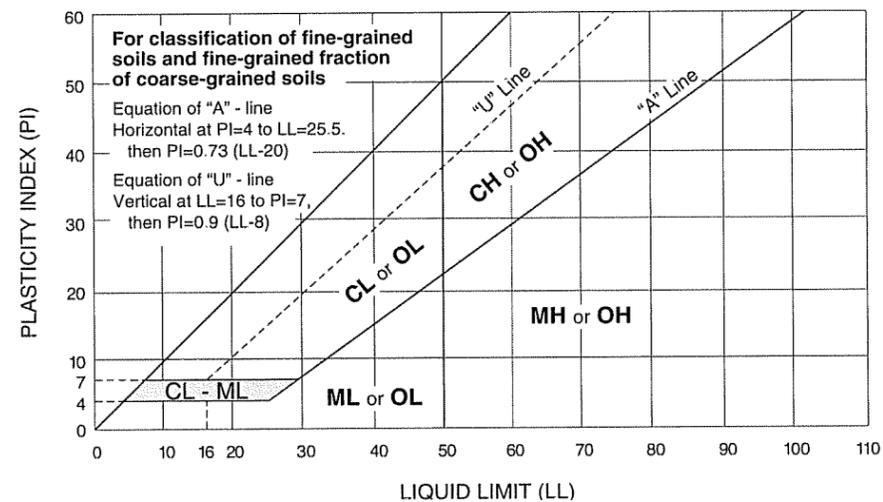
^MIf soil contains $\geq 30\%$ plus No. 200, predominantly gravel, add "gravelly" to group name.

^N $PI \geq 4$ and plots on or above "A" line.

^O $PI < 4$ or plots below "A" line.

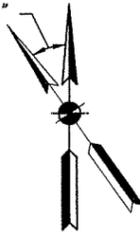
^P PI plots on or above "A" line.

^Q PI plots below "A" line.



Terracon

True North
01'00'01"



Site: Woodbine

Lease Boundary and Topographic Survey

Whitley County, Kentucky

Lease Boundary and Easement Description

A tract of land that is located 1,800 feet westerly of the intersection of Carter Street and Sutton Mill Road in the Woodbine Community of Whitley County, Kentucky; said tract being described as follows:

COMMENCING AT a 1/2-inch rebar found flush with a survey cap inscribed "H & R PLS 3358" at the northwest corner of the 6.66-acre William Harold Pennington and Janrose Pennington tract, as described in Deed Book 477, page 502 in the office of the County Clerk of Whitley County, Kentucky; said monument lies on the southeastern boundary of Sutton Mill Road (10 feet from the centerline) and being a corner to Everett Alsip and Nerville Alsip, as described in Deed Book 123, page 173 in said County Clerk's office; thence South 77 degrees 20 minutes 46 seconds West 1,284.54 feet to a 5/8-inch rebar set flush with a survey cap inscribed "D.L. Helms PLS 3386" (referred to as a rebar in the remainder of this description) at the POINT OF BEGINNING of this description; thence South 42 degrees 00 minutes 00 seconds West 100.00 feet to a rebar set flush; thence North 42 degrees 00 minutes 00 seconds East 100.00 feet to a rebar set flush; thence North 42 degrees 00 minutes 00 seconds East 100.00 feet to the point of beginning and containing 0.230 acres (10,000 square feet), more or less.

TOGETHER WITH an access and utility easement from the above-described 0.230-acre lease tract to Sutton Mill Road; said easement being described as follows: BEGINNING AT a 5/8-inch rebar set flush with a survey cap inscribed "D.L. Helms PLS 3386" at the east corner of the above-described 0.230-acre lease tract; thence North 48 degrees 00 minutes 00 seconds West 100.00 feet to a 5/8-inch rebar set flush with said Helms survey cap at the north corner of the above-described 0.230-acre lease tract; thence North 42 degrees 00 minutes 00 seconds East 20.00 feet; thence South 48 degrees 00 minutes 00 seconds East 40.00 feet; thence North 42 degrees 00 minutes 00 seconds East 82.96 feet; thence Northeast 82.93 feet along an arc to the right and having a radius of 110.00 feet and subtended by a long chord having a bearing of North 63 degrees 35 minutes 50 seconds East and a length of 80.98 feet; thence North 65 degrees 11 minutes 41 seconds East 59.24 feet; thence Northeast 31.52 feet along an arc to the left and having a radius of 90.00 feet and subtended by a long chord having a bearing of North 75 degrees 09 minutes 38 seconds East and a length of 31.36 feet; thence North 65 degrees 07 minutes 35 seconds East 31.19 feet; thence Northeast 123.95 feet along an arc to the right and having a radius of 190.00 feet and subtended by a long chord having a bearing of North 83 degrees 48 minutes 56 seconds East and a length of 54.16 feet; thence North 80 degrees 12 minutes 03 seconds East 57.35 feet; thence Northeast 28.22 feet along an arc to the right and having a radius of 210.00 feet and subtended by a long chord having a bearing of North 84 degrees 03 minutes 02 seconds East and a length of 28.20 feet; thence North 87 degrees 54 minutes 01 second East 201.95 feet to the southwestern boundary of the 0.25-acre William Harold Pennington and Janrose Pennington tract, as described in Deed Book 477, page 502 in the aforesaid County Clerk's office; thence South 27 degrees 16 minutes 59 seconds East 7.62 feet to the south most corner of said 0.25-acre tract and being on the northwestern boundary of Sutton Mill Road (10 feet from the centerline); thence, along said northwestern boundary, South 47 degrees 35 minutes 21 seconds West 30.73 feet; thence North 42 degrees 24 minutes 39 seconds West 8.89 feet; thence South 87 degrees 54 minutes 01 second West 176.00 feet; thence Southwesterly 25.53 feet along an arc to the left and having a radius of 190.00 feet and subtended by a long chord having a bearing of South 84 degrees 03 minutes 02 seconds West and a length of 25.51 feet; thence South 80 degrees 12 minutes 03 seconds West 57.35 feet; thence West 62.28 feet along an arc to the right and having a radius of 160.00 feet and subtended by a long chord having a bearing of North 88 degrees 38 minutes 50 seconds West and a length of 61.89 feet; thence North 77 degrees 29 minutes 43 seconds West 36.83 feet; thence Southwesterly 110.90 feet along an arc to the left and having a radius of 170.00 feet and subtended by a long chord having a bearing of South 63 degrees 35 minutes 50 seconds West and a length of 82.96 feet; thence South 42 degrees 00 minutes 00 seconds West 20.00 feet to the point of beginning.

The bearing system of these descriptions is based upon the Kentucky State Plane Coordinate System, South Zone, NAD 1983 (2007), as determined by G.P.S. observations made on February 7, 2008 using the National Geodetic Survey monument "FBN NEW". These descriptions are based upon a survey completed by Landmark Surveying Co., Inc. and certified by Darren L. Helms, P.L.S. 3386, on February 26, 2008. This survey is hereby referenced and made a part of these descriptions.

SOURCE OF TITLE: Being a portion of and lying entirely within the land described in deed to Pennington Farms, LLC on May 17, 2005 in Deed Book 461, page 165 in the office of the County Clerk of Whitley County, Kentucky.

Surveyor's Certification

I hereby certify that this plat has been compiled from a survey actually made upon the ground under my direct supervision on February 7, 2008 by the method of random traverse with sideshots. The unadjusted precision ratio of the traverse was 1:23,500 and it was not adjusted. This survey is a Class B survey and the accuracy and precision of this survey meets all the specifications of this class.

Darren L. Helms
Darren L. Helms, P.L.S. 3386
FEB. 26, 2008
Date

Landmark Surveying Co., Inc.
15 N.E. 3rd Street
Washington, Indiana 47501
(812) 257-0950
Email: landmark@landmark.net
Project No. 08-02-0108

Lease Boundary Survey
341 Sutton Mill Road
Corbin, Kentucky 40701

Bluegrass Cellular
2902 Ring Road
Elizabethtown, Kentucky 42701

REVISIONS	DATE

DATE: 2-26-08
DRAWN BY: A. Winkler
CHECKED BY: D.L. Helms

SHEET NO. 1 OF 2 SHEETS
FILE NO. woodbine.dwg

Basis of Bearings

The bearing system of this survey is based upon G.P.S. observations made on February 7, 2008 using the National Geodetic Survey monument "FBN NEW" and the Kentucky State Plane Coordinate System, South Zone, NAD 1983 (2007). This system is grid north.

Tower Location Information

Designation: Woodbine
Site ID#: None
Horizontal Datum: NAD 1983 (2007)
Latitude: 36°54'35.59" North
Longitude: 84°06'02.04" West
Vertical Datum: NAVD 1988
Ground Elevation: 1,374.6 feet (418.98 meters)
State Plane Coordinates
Northing: 1,854,540.69 feet (565,265.133 meters)
Easting: 2,122,635.03 feet (646,980.451 meters)

Owner Information

Landowner: Pennington Farms, LLC
Address: 2427 South Main Street
Corbin, Kentucky 40701
Contact Person: Bill Pennington
Phone: 888-622-6724
PVA Map No. 139-00-00-010.00

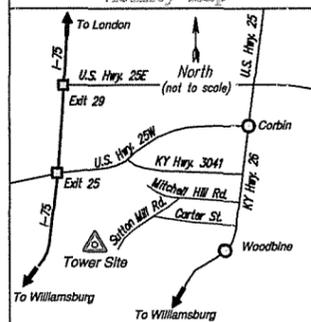
Project Bench Mark

Northing: 1,854,449 feet (565,237 meters)
Easting: 2,122,613 feet (646,974 meters)
Elevation: 1,374.78 feet (419.034 meters)
Description: A railroad spike set in the east side of a 12" ash, 6" above grade. The benchmark is approximately 95 feet south of the center of the tower.

Flood Plain Statement

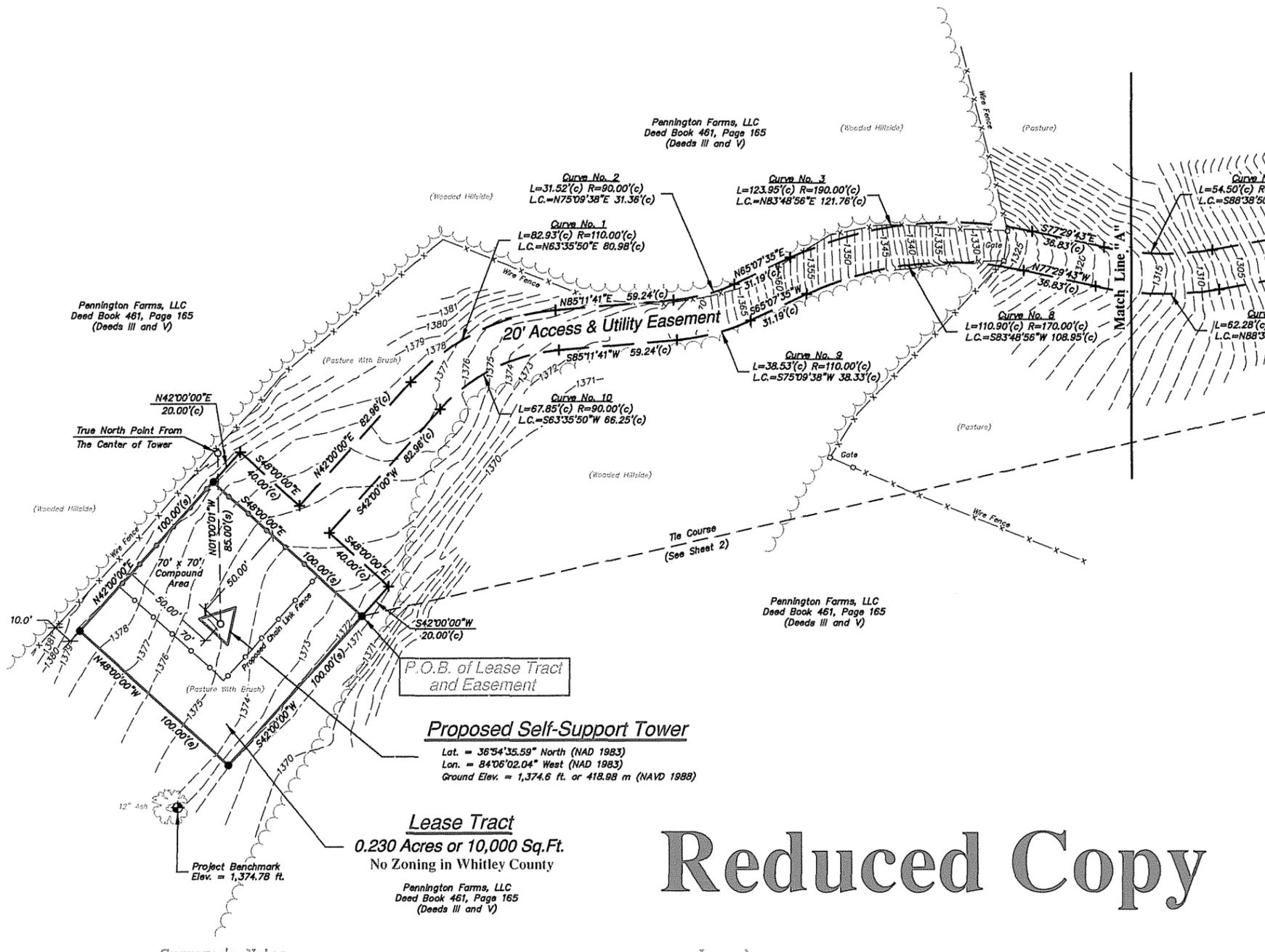
According to the Flood Insurance Rate Map for the Unincorporated Areas of Whitley County, Kentucky, Community Panel No. 21235C0061D, dated August 02, 2006; the subject site lies within "Other Areas Zone X", which is defined as "areas determined to be outside the 0.2% annual chance floodplain".

Vicinity Map



Directions to Site

From Elizabethtown, Kentucky: travel east on the Bluegrass Parkway about 25 miles to Exit 25 and U.S. Hwy. 150 at Bardston; travel east on U.S. Hwy. 150 for about 42 miles to Danville; continue southeast on U.S. Hwy. 150 about 34 miles to I-75 at Mount Vernon; travel south on I-75 for 34 miles to exit 25 on the southwest side of Corbin; turn left onto U.S. Hwy. 25W and travel northeast 2.5 miles to Kentucky Hwy. 26 in Corbin; turn right onto Kentucky Hwy. 26 and travel south for 1.5 miles to Mitchell Hill Road; turn right onto Mitchell Hill Road and travel west 0.2 miles to Sutton Mill Road; turn left onto Sutton Mill Road and travel southwest 0.3 miles to a gate and the tower access lane on the right or north side of the road; turn right onto the lane and travel west about 0.25 miles to the tower site on the side of a hill in a pasture.



Surveyor's Notes

- This survey is subject to a statement of facts which may be disclosed by an Abstract of Title or a Title Commitment Policy. This documentation was not provided by the client.
- No search of public records has been performed by this firm to determine any defects and/or ambiguities in the title of the parent tract.
- The utilities shown on this plat may or may not represent all of the utilities located on the subject site. The presence of the existing utilities shown was determined by a visual inspection of the property surface. No utility locate was called in prior to this survey. It shall be the responsibility of the contractor to locate any utilities present prior to construction.
- The topographic information contained on this plat was as requested by the client and may or may not represent all of the topographic features located on the subject property.
- According to Pat White, Jr., County Judge Executive of the Whitley County, no local planning unit exists which has geographical jurisdiction of the subject tower site. The County Judge Executive's Office may be contacted at (606) 549-6000 for confirmation.
- The proposed location of the Woodbine cell site will be located outside of an incorporated city.

Legend

- 5/8" Rebar Set Flush With A Survey Cap Inscribed "D.L. Helms PLS 3386"
- 5/8" Rebar Set Flush - No Cap
- 1/2" Rebar Found Flush With A Survey Cap Inscribed "H & R PLS 3358"
- Calculated Position - No Monument Found or Set
- Subject Boundaries
- Easement Boundaries
- Other Boundaries
- Right of Way
- Utility Pole
- Guy Anchor
- Telephone Pedestal
- Measured
- Recorded
- Calculated
- Set

Proposed Self-Support Tower
Lat. = 36°54'35.59" North (NAD 1983)
Lon. = 84°06'02.04" West (NAD 1983)
Ground Elev. = 1,374.6 ft. or 418.88 m (NAVD 1988)

Lease Tract
0.230 Acres or 10,000 Sq.Ft.
No Zoning in Whitley County
Pennington Farms, LLC
Deed Book 461, Page 165
(Deeds III and V)

GRAPHIC SCALE
(IN FEET)
1 inch = 30 ft.
Contour Interval = 1-foot

Site: Woodbine
 Lease Boundary and Topographic Survey
 Whitley County, Kentucky

Landmark Surveying Co., Inc.
 15 N.E. 3rd Street
 Washington, Indiana 47501
 (812) 257-0850
 Email: landmark@landmark.net
 Project No. 08-02-0108



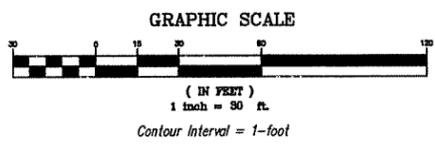
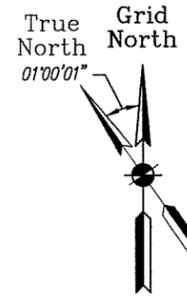
Lease Boundary Survey
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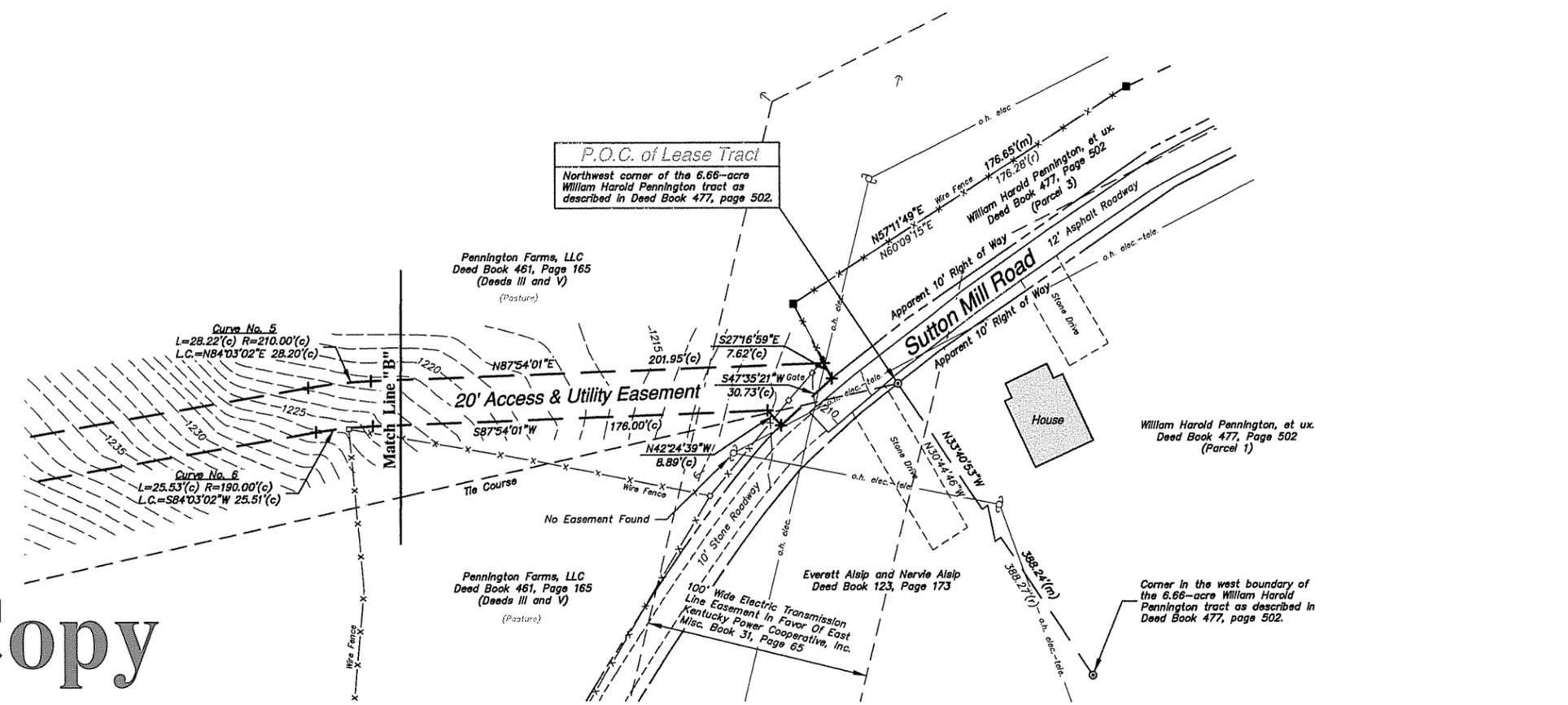
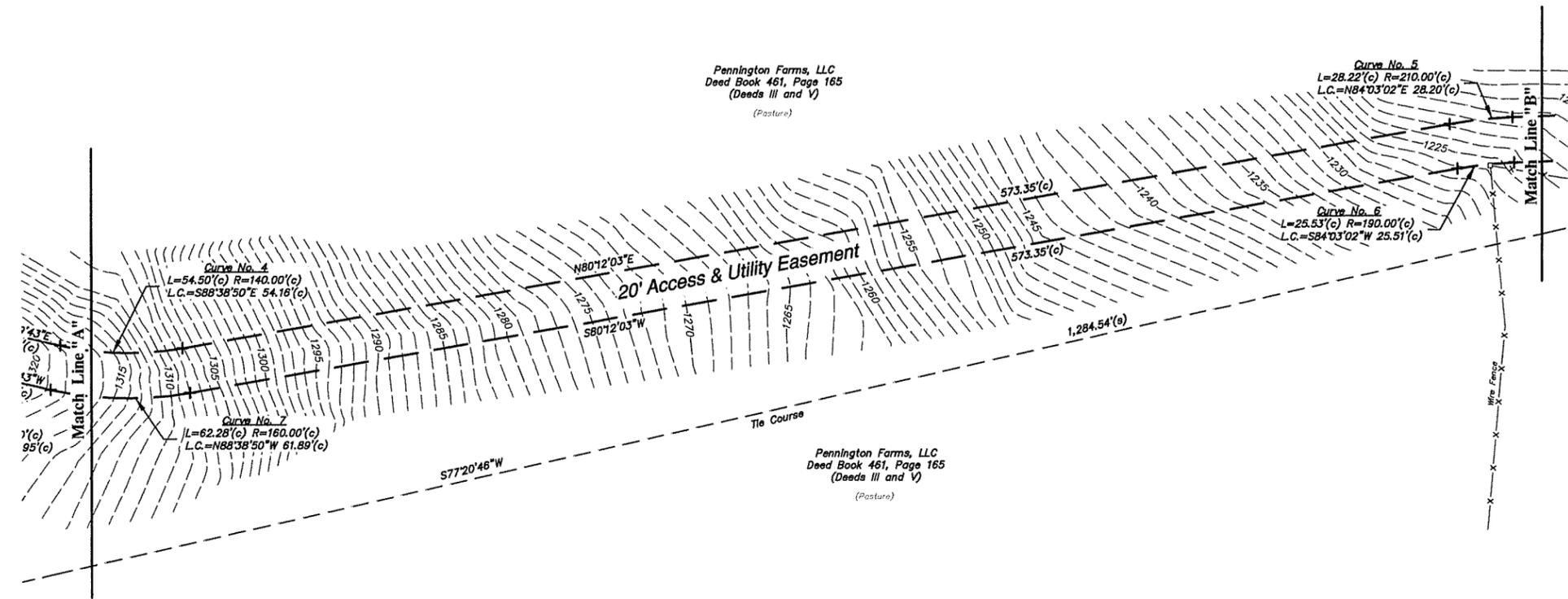
REVISIONS	DATE

DATE: 2-26-08
 DRAWN BY: A. Winkler
 CHECKED BY: D.L. Helms

SHEET NO.
 2
 OF 2 SHEETS
 FILE NO.
 woodbine.dwg

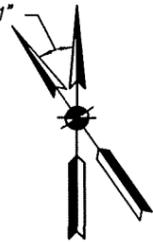


- Legend**
- 5/8" Rebar Set Flush With A Survey Cap Inscribed "D.L. Helms PLS 3386"
 - 5/8" Rebar Set Flush - No Cap
 - Railroad Tie Corner Post Found Exposed About 6"
 - ⊙ 1/2" Rebar Found Flush With A Survey Cap Inscribed "H & R PLS 3358"
 - × Calculated Position - No Monument Found or Set
 - Subject Boundaries
 - Easement Boundaries
 - - - Other Boundaries
 - - - Right of Way
 - ⊕ Utility Pole
 - ⊙ Guy Anchor
 - ⊠ Telephone Pedestal
 - (m) Measured
 - (r) Recorded
 - (c) Calculated
 - (s) Set



Reduced Copy

True North
Grid North
01'00"01"



Site: Woodbine

Lease Boundary and Topographic Survey

Whitley County, Kentucky

Lease Boundary and Easement Description

A tract of land that is located 1,800 feet westerly of the intersection of Carter Street and Sutton Mill Road in the Woodbine Community of Whitley County, Kentucky; said tract being described as follows:

COMMENCING AT a 1/2-inch rebar found flush with a survey cap inscribed "H & R PLS 3358" at the northwest corner of the 6.66-acre William Harold Pennington and Janrose Pennington tract, as described in Deed Book 477, page 502 in the office of the County Clerk of Whitley County, Kentucky; said monument lies on the southeastern boundary of Sutton Mill Road (10 feet from the centerline) and being a corner to Everett Alsip and Nerve Alsip, as described in Deed Book 123, page 173 in said County Clerk's office; thence South 77 degrees 20 minutes 46 seconds West 1,284.54 feet to a 5/8-inch rebar set flush with a survey cap inscribed "D.L. Helms PLS 3386" (referred to as a rebar in the remainder of this description) at the POINT OF BEGINNING of this description; thence South 42 degrees 00 minutes 00 seconds West 100.00 feet to a rebar set flush; thence North 48 degrees 00 minutes 00 seconds West 100.00 feet to a rebar set flush; thence North 42 degrees 00 minutes 00 seconds East 100.00 feet to a rebar set flush; thence South 48 degrees 00 minutes 00 seconds East 100.00 feet to the point of beginning and containing 0.230 acres (10,000 square feet), more or less.

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The bearing system of these descriptions is based upon the Kentucky State Plane Coordinate System, South Zone, NAD 1983 (2007), as determined by G.P.S. observations made on February 7, 2008 using the National Geodetic Survey monument "FBN NEW". These descriptions are based upon a survey completed by Landmark Surveying Co., Inc. and certified by Darren L. Helms, P.L.S. 3386, on February 26, 2008. This survey is hereby referenced and made a part of these descriptions.

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Darren L. Helms, P.L.S. 3386

Date

Basis of Bearings

The bearing system of this survey is based upon G.P.S. observations made on February 7, 2008 using the National Geodetic Survey monument "FBN NEW" and the Kentucky State Plane Coordinate System, South Zone, NAD 1983 (2007). This system is grid north.

Tower Location Information

Designation: Woodbine
Site ID#: None
Horizontal Datum: NAD 1983 (2007)
Latitude: 36°54'35.59" North
Longitude: 84°06'02.04" West
Vertical Datum: NAVD 1988
Ground Elevation: 1,374.6 feet (418.98 meters)
State Plane Coordinates
Northing: 1,854,540.69 feet (565,265.133 meters)
Easting: 2,122,635.03 feet (646,980.451 meters)

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Landowner: Pennington Farms, LLC
Address: 2427 South Main Street
Corbin, Kentucky 40701
Contact Person: Bill Pennington
Phone: 888-622-6724
PVA Map No. 139-00-00-010.00

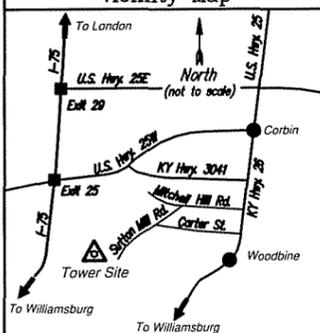
Project Bench Mark

Northing: 1,854,449 feet (565,237 meters)
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Elevation: 1,374.78 feet (419.034 meters)
Description: A railroad spike set in the east side of a 12" ash, 6" above grade. The benchmark is approximately 95 feet south of the center of the tower.

Flood Plain Statement

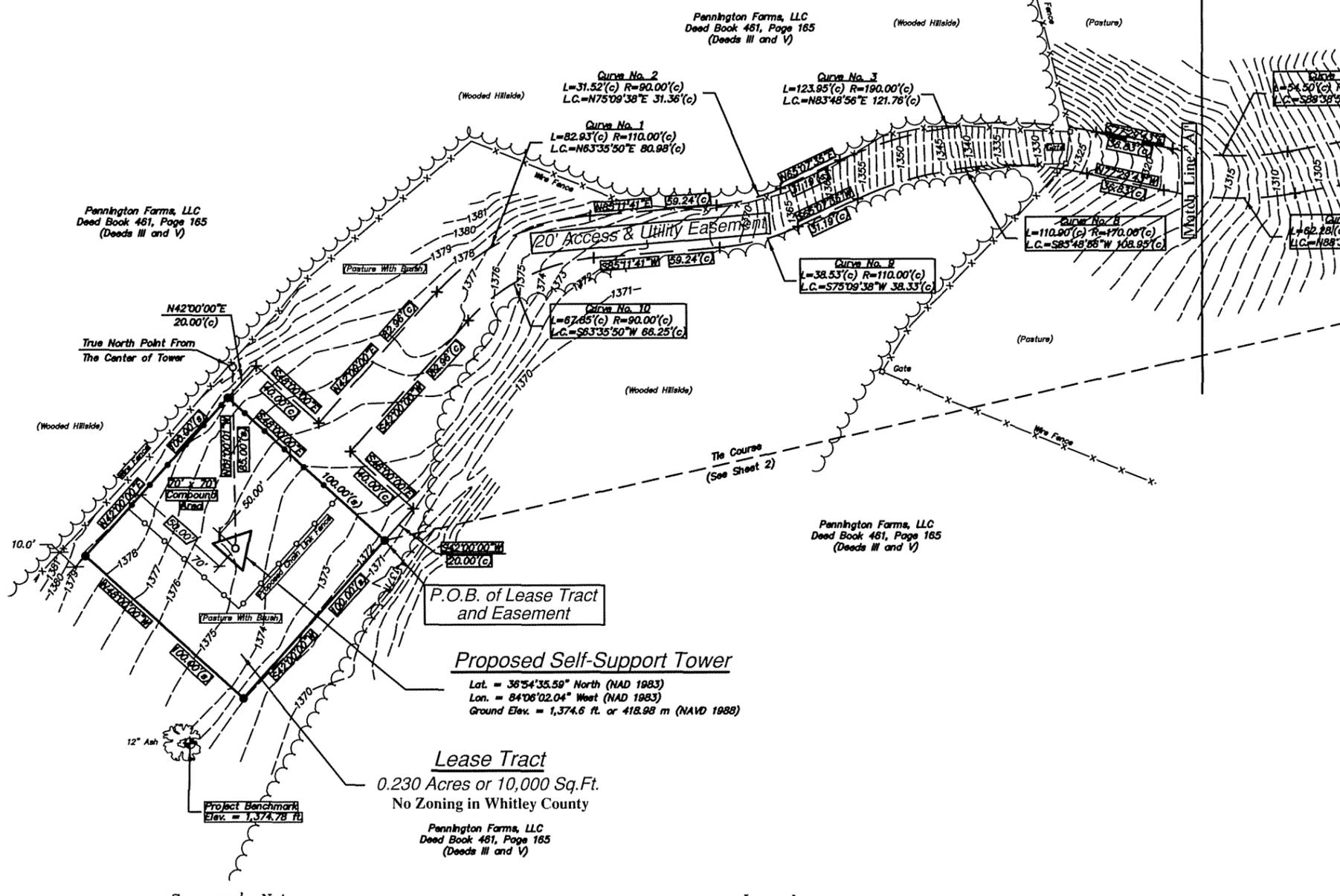
According to the Flood Insurance Rate Map for the Unincorporated Areas of Whitley County, Kentucky; Community Panel No. 21235C00610, dated August 02, 2006; the subject site lies within "Other Areas Zone X", which is defined as "areas determined to be outside the 0.2% annual chance floodplain".

Vicinity Map



Directions to Site

From Elizabethtown, Kentucky; travel east on the Bluegrass Parkway about 25 miles to Exit 25 and U.S. Hwy. 150 to Bardstow; travel east on U.S. Hwy. 150 for about 42 miles to Danville; continue southeast on U.S. Hwy. 150 about 34 miles to I-75 at Mount Vernon; travel south on I-75 for 34 miles to exit 25 on the southwest side of Corbin; turn left onto U.S. Hwy. 25W and travel northeast 2.5 miles to Kentucky Hwy. 26 in Corbin; turn right onto Kentucky Hwy. 26 and travel south for 1.5 miles to Mitchell Hill Road; turn right onto Mitchell Hill Road and travel west 0.2 miles to Sutton Mill Road; turn left onto Sutton Mill Road and travel southwest 0.3 miles to a gate and the tower access lane on the right or north side of the road; turn right onto the lane and travel west about 0.25 miles to the tower site on the side of a hill in a pasture.



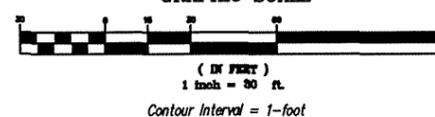
Surveyor's Notes

- This survey is subject to a statement of facts which may be disclosed by an Abstract of Title or a Title Commitment Policy. This documentation was not provided by the client.
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- The proposed location of the Woodbine cell site will be located outside of an incorporated city.

Legend

- 5/8" Rebar Set Flush With A Survey Cap Inscribed "D.L. Helms PLS 3386"
- 5/8" Rebar Set Flush - No Cap
- Railroad Tie Corner Post Found Exposed About 6"
- ⊙ 1/2" Rebar Found Flush With A Survey Cap Inscribed "H & R PLS 3358"
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- Subject Boundaries
- Easement Boundaries
- - - Other Boundaries
- - - Right of Way
- ⊕ Utility Pole
- ⊙ Guy Anchor
- ⊕ Telephone Pedestal
- (m) Measured
- (r) Recorded
- (c) Calculated
- (s) Set

GRAPHIC SCALE



Landmark Surveying Co., Inc.
15 N.E. 3rd Street
Washington, Indiana 47501
(812) 257-0850
Email: landmsr@landmarkinc.com
Project No. 08-02-0108

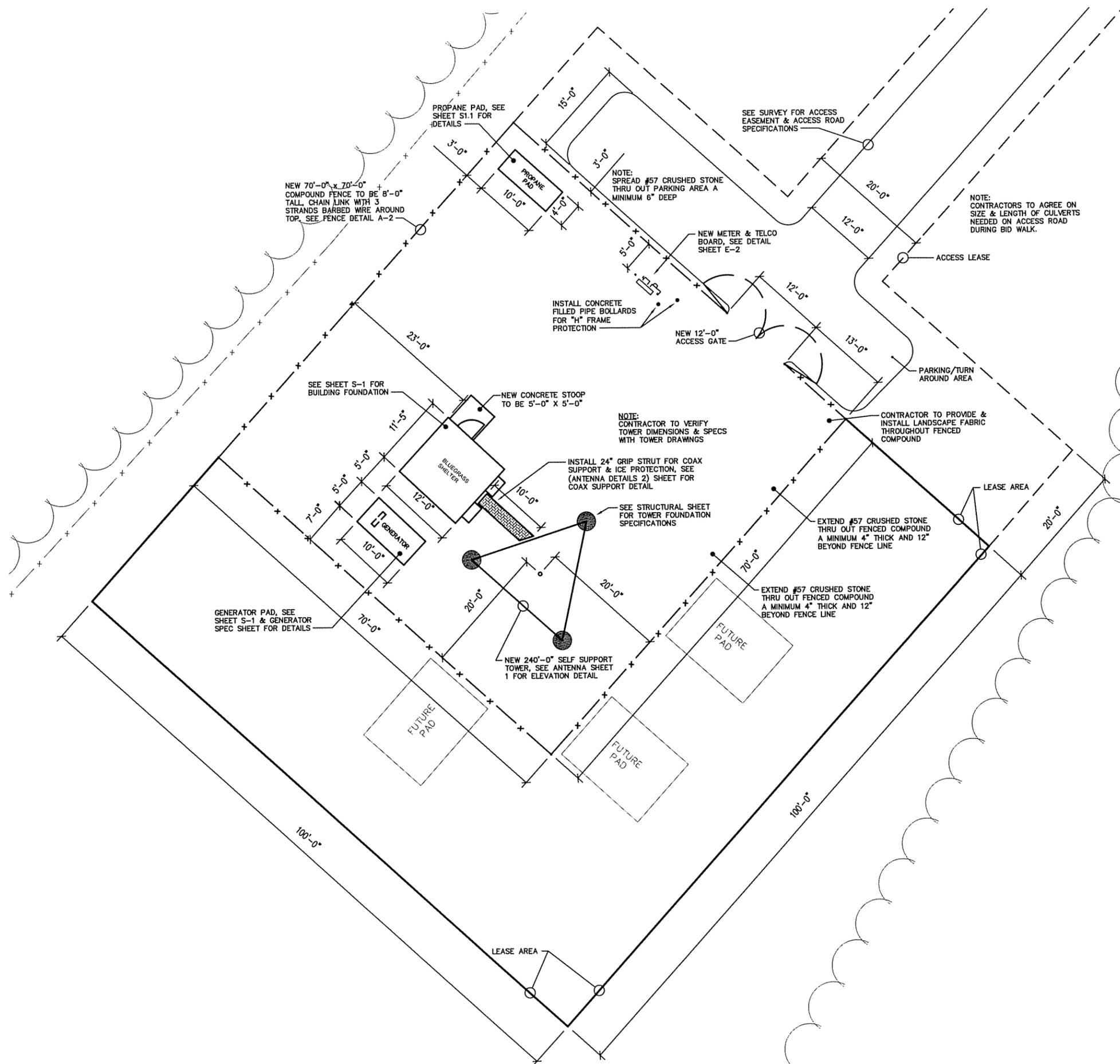
Lease Boundary Survey
341 Sutton Mill Road
Corbin, Kentucky 40701

Bluegrass Cellular
2902 Ring Road
Elizabethtown, Kentucky 42701

REVISIONS	DATE

DATE: 2-26-08
DRAWN BY: A. Whilder
CHECKED BY: D.L. Helms

SHEET NO. 1 OF 2 SHEETS
FILE NO. woodbine.dwg



GENERAL NOTES:

- 1) EQUIPMENT PICK-UP AND DELIVERY TO SITE FROM BLUEGRASS CELLULAR STAGING FACILITY TO BE THE CONTRACTORS RESPONSIBILITY, INCLUDING CRANE SET, AND ALL COST INCURRED.
- 2) FOR BUILDING AND ALL CONCRETE PAD DETAILS REFER TO STRUCTURALS AND SHEET S1.1
- 3) ALL CONCRETE TO HAVE SPECIFIED COATED SEALANT PER STRUCTURAL RECOMMENDATIONS.
- 4) ANY DAMAGE DUE TO CONSTRUCTION, TO BE REPAIRED OR REPLACED TO ORIGINAL CONDITION. (SUBJECT TO BLUEGRASS CELLULAR'S APPROVAL).
- 5) ANY DAMAGE OF NATURAL SURROUNDINGS, INCLUDING BUT NOT LIMITED TO, GRASS, TREES, LANDSCAPING, ETC.. TO BE REPAIRED OR REPLACED TO ORIGINAL CONDITION AT BLUEGRASS CELLULAR'S APPROVAL.
- 6) ROADWAYS TO BE GRADED SMOOTH AND EVEN, REMOVING ALL POTHOLES. ROADS TO HAVE PROPER DRAINAGE AND RUNOFF PER BLUEGRASS CELLULAR'S APPROVAL.
- 7) ANY RELOCATION OF EXISTING UTILITIES TO BE DONE IN ACCORDANCE WITH LOCAL CODES AND RECOMMENDATIONS, CONSULTING ALL UTILITY COMPANIES INVOLVED FOR APPROVAL AND SPECIFICATIONS REQUIRED.
- 8) FOR GRADING DETAILS, SEE GENERAL NOTESHEET
- 9) CONTRACTOR TO FIELD VERIFY ALL TOWER DIMENSIONS WITH TOWER MANUFACTURER PRIOR TO JOB BIDDING OR START OF ANY CONSTRUCTION
- 10) CONTRACTOR RESPONSIBLE FOR APPLYING FOR SERVICE TO SITE AND PAYING ANY FEES REQUIRED FOR PERMITS, HOOKUP, ETC..

SITE PLAN

SCALE: 1/8" = 1'-0"

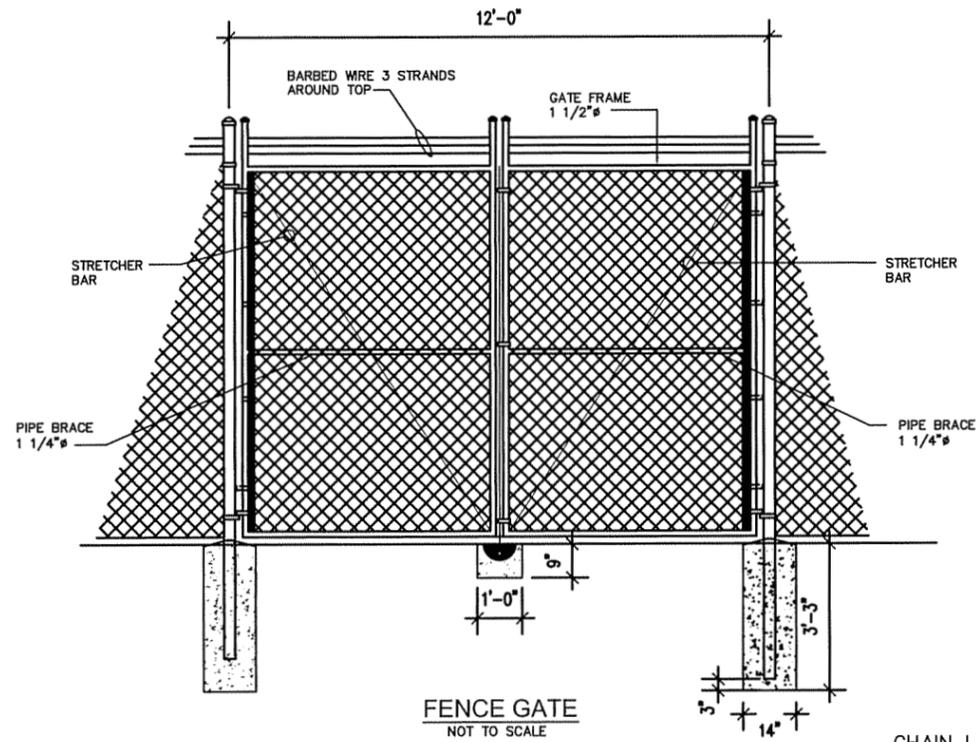


NO.	DATE	REVISION

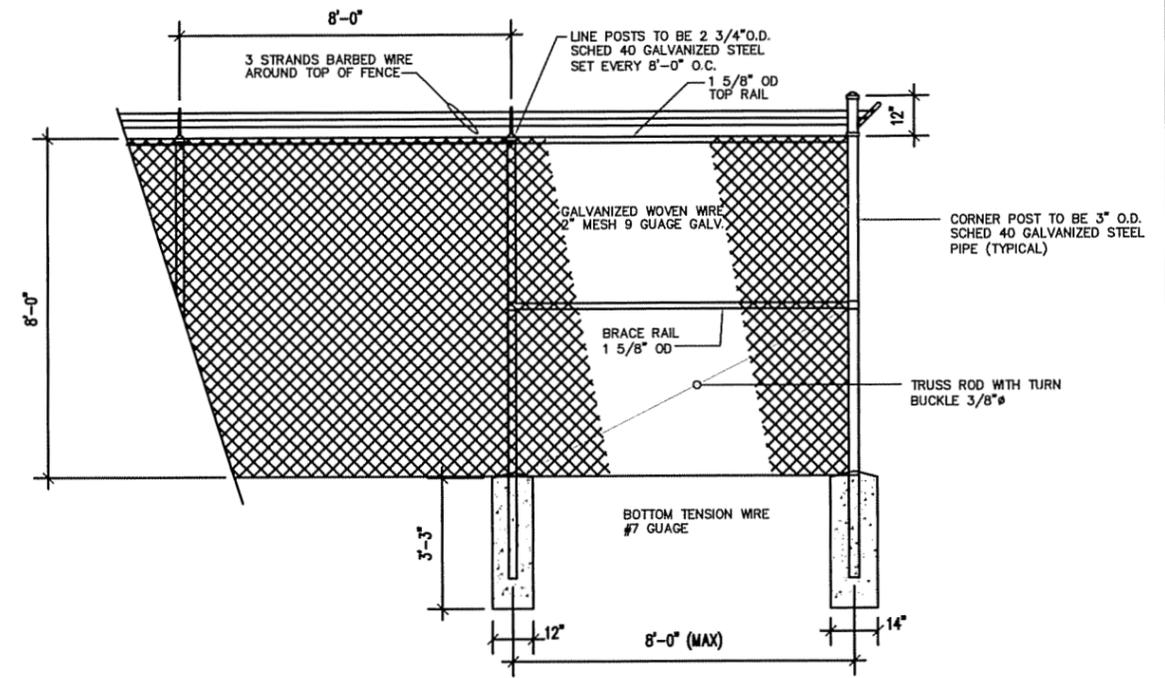
BLUEGRASS CELLULAR, INC.
STANDARD CELLULAR SITE
WOODBINE
 341 SUTTON MILL RD. CORBIN, KY. 40701

DRAWN BY: R. BECKER
 ISSUE DATE: 3-15-08
 SCALE: LISTED

SHEET NUMBER
 A-1



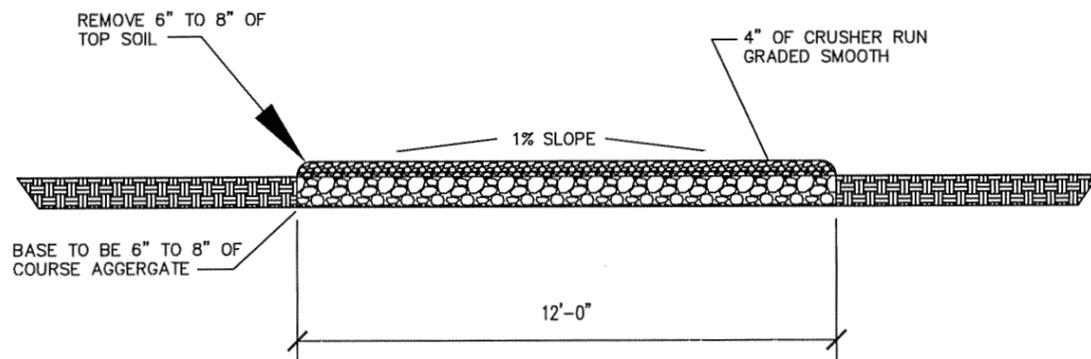
FENCE GATE
NOT TO SCALE



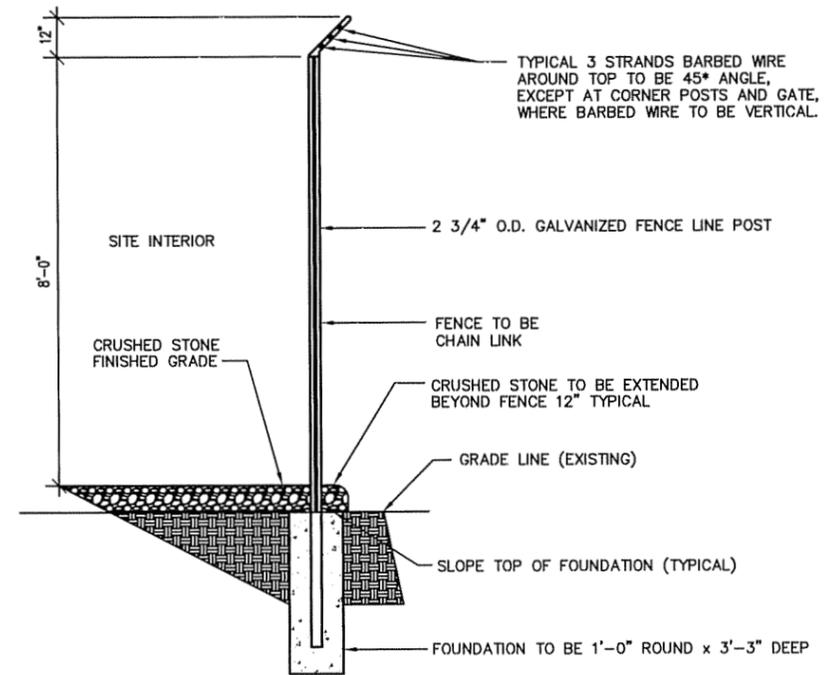
FENCE DETAIL END POLES
NOT TO SCALE

CHAIN LINK FENCING NOTES:

- 1 **FABRIC:** THE FABRIC SHALL BE COMPOSED OF INDIVIDUAL HOT DIP GALVANIZED WIRE PICKETS HELICALLY WOUND AND INTERWOVEN FROM NO.9 W & M GAUGE COPPER BEARING STEEL WIRE TO FORM A CONTINUOUS CHAIN LINK FABRIC HAVING A 2" MESH. TOP EDGES SHALL HAVE A TWISTED AND BARBED
- 2 **POSTS:** SHALL BE 2 3/4" O.D. SS 40 PIPE HOT GALVANIZED. THESE POSTS SHALL BE SPACED APPROXIMATELY 8'-0" ON CENTERS AND SET FULL 3'-3" IN BELL - SHAPED CONCRETE FOOTING, CROWNED AT TOP TO SHED WATER.
- 3 **TOP RAIL:** SHALL BE 1 5/8" O.C. STANDARD PIPE HOT GALVANIZED AND SHALL BE FURNISHED IN RANDOM LENGTHS AVERAGING NOT LESS THAN 20'.
- 4 **FABRIC TIES:** FOR ATTACHING FABRIC TO LINE POST, TOP RAIL OR TOP WIRE, SHALL BE ALUMINUM STRIP OF WIRE OF APPROVED GAUGE AND DESIGN. USED ON TOP OF RAIL EVERY 24" AND ONE POST EVERY 12'.
- 5 **EXTENSION ARMS:** CAST STEEL GALVANIZED TO ACCOMMODATE 3 STRANDS OF BARB WIRE, SINGLE ARM SLOPED TO 45°, AND VERTICAL ON TOP OF SWING GATES.
- 6 **BARBED WIRE (STEEL):** ASTM A121 GALVANIZED STEEL, 12 GAUGE THICK WIRE, 3 STRANDS 4 POINTS AT 3" O.C.
- 7 **SWING GATE POSTS:** SHALL BE 3" O.C. STANDARD HOT GALVANIZED, WEIGHING 5.79 LBS. PER FOOT.
- 8 **GATES: (a) SWING GATES:** 2" O.C. STANDARD PIPE WITH INTERNAL BRACING OF 1 5/8" O.D. STANDARD PIPE; WELDED AT ALL JOINTS TO PROVIDE RIGID WATERTIGHT CONSTRUCTION. FABRIC SAME AS FENCE.
- 9 FENCE TO BE 100% ERECTED WITHIN TEN(10) DAYS OF COMPLETION OF CONSTRUCTION, IF TIME FRAME CANNOT BE MET, PLEASE NOTIFY PROJECT SUPERVISOR.



ROAD DETAIL
NOT TO SCALE



FENCE DETAIL LINE POLES
NOT TO SCALE



BLUEGRASS CELLULAR, INC.
6403 MERCURY DRIVE, LOUISVILLE, KY. 40291
(502) 588-9427 FAX (502) 261-1656

NO.	DATE	REVISION

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STANDARD CELLULAR SITE
WOODBINE
341 SUTTON MILL RD. CORBIN, KY. 40701

DRAWN BY: R. BECKER	ISSUE DATE: 3-15-08	SCALE: LISTED
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SHEET NUMBER
A-2

BLUEGRASS CELLULAR GENERAL NOTES & ANTENNA SPECS

ALL LINES AND ANTENNAS TO BE PROPERLY MOUNTED TO TOWER OR STRUCTURE PER BLUEGRASS CELLULAR SPECIFICATIONS.

ALL GROUND BARS TO BE INSTALLED AND CAD WELDED TO GROUND FIELD (WHERE REQUIRED)

ALL LINES TO BE GROUNDED AT THE TOP AND BASE OF STRUCTURE OR TOWER.

ALL LINES TO BE GROUNDED AT ENTRANCE OF SHELTER BEFORE WAVE GUIDE PORTS. (EXTERIOR OF BUILDING)

LINES ARE TO BE SECURED TO ICE BRIDGE

WAVE-GUIDE BOOTS ARE TO BE INSTALLED ON ALL LINES (BOTH INSIDE AND OUTSIDE)

ALL COAX CONNECTIONS ARE TO BE WEATHER PROOFED. INVENTORY OF ALL MATERIAL IS TO BE DONE PRIOR TO INSTALLATION BY CONTRACTOR. (LIST WILL BE PROVIDED)

ALL TRASH AND REFUGE IS TO BE PROPERLY DISPOSED OF.

CONTRACTOR TO EXTEND HARDLINES INTO BUILDING 12" & INSTALL POLYPHASERS, PER INSTRUCTION OF PROJECT SUPERVISOR.

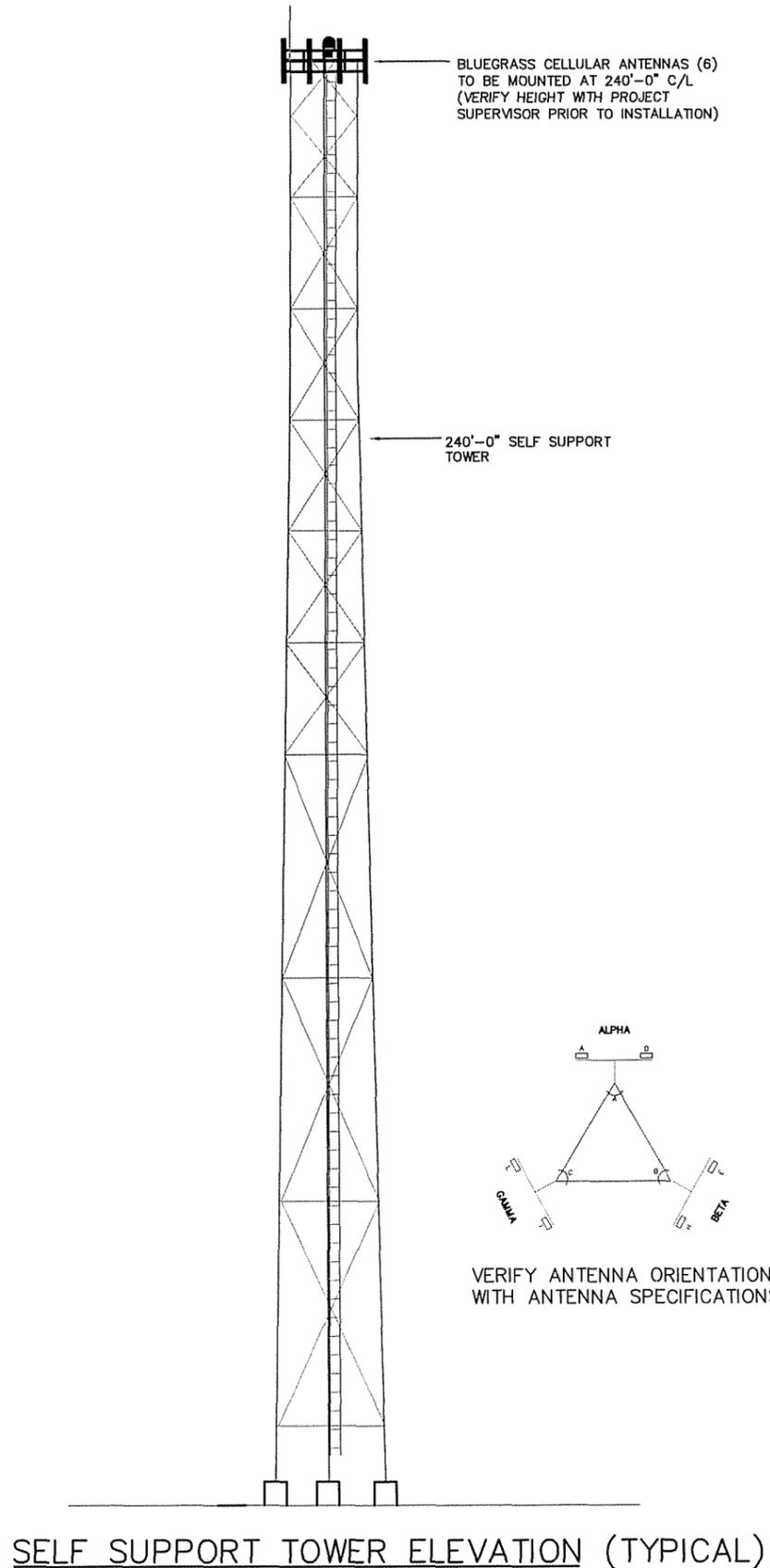
CONTRACTORS TO SUPPLY POLYPHASERS OR LIKE UNITS TO BE INSTALLED AND GROUNDED TO GROUND BAR INSIDE BUILDING AT WAVE GUIDE ENTRANCE. GO TO SUPPLY GROUND CABLE & LUGS.

GENERAL CONTRACTOR TO MOUNT ANTENNA MOUNTS AT TOP OF STRUCTURE OR TOWER BY BLUEGRASS CELLULAR SPECIFICATIONS.

ICE BRIDGE TO BE SUPPLIED AND INSTALLED BY GENERAL CONTRACTOR. (Additional Ice Bridge if needed)

TRAPEZE KIT TO BE SUPPLIED AND INSTALLED BY GENERAL CONTRACTOR.

CONTRACTOR TO INSTALL GPS BRACKET



TOWER HEIGHT & TYPE

240'-0" SELF SUPPORT TOWER

ANTENNA SPECS

	TYPE	SIZE L x W x D	NUMBER	AZIMUTH	MOUNTING HEIGHT
ANTENNA (PRIMARY)	59210	L=78.6 W=10.3 D=4.6	6	90*, 210*, 340*	240'-0" C/L <small>VERIFY WITH CONSTRUCTION SUPERVISOR</small>
ANTENNA (SECONDARY)					

ANTENNA MOUNTING HARDWARE SPECS

	TYPE	SIZE	NUMBER
MOUNT (PRIMARY)	TRI-SECTOR MOUNT		3
MOUNT (SECONDARY)			

ANTENNA TRANSMISSION LINES SPECS

	TYPE	SIZE	NUMBER
TRANSMISSION LINE (PRIMARY)	ANDREW	1-5/8"	6
TRANSMISSION LINE (SECONDARY)			

DISH SPECS

	MICROWAVE/DONOR	SIZE	NUMBER	AZIMUTH	MOUNTING HEIGHT
DISH #1					
DISH #2					

DISH MOUNT SPECS

	TYPE	SIZE	NUMBER
MOUNT #1			
MOUNT #2			

DISH TRANSMISSION LINES

	TYPE	SIZE	NUMBER
TRANSMISSION LINE #1			
TRANSMISSION LINE #2			

ANTENNA SYNOPSIS

- * ANTENNAS TO HAVE A 2*E
- * ANTENNA FREQUENCY 1977.50 - 1982.50

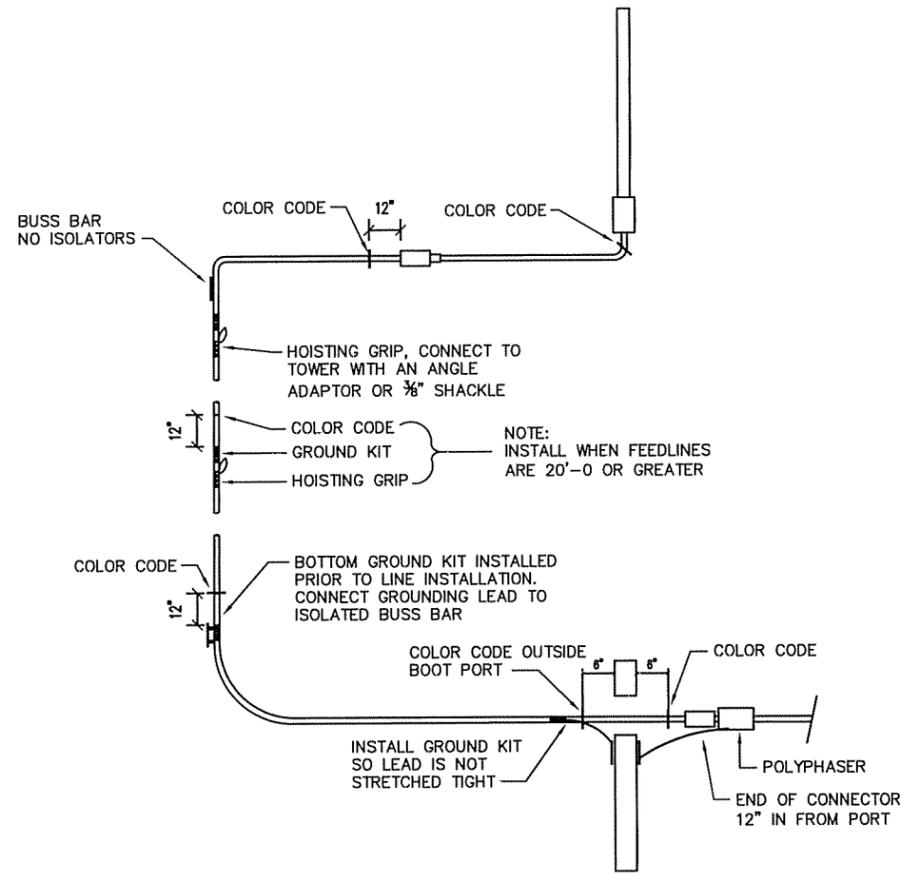


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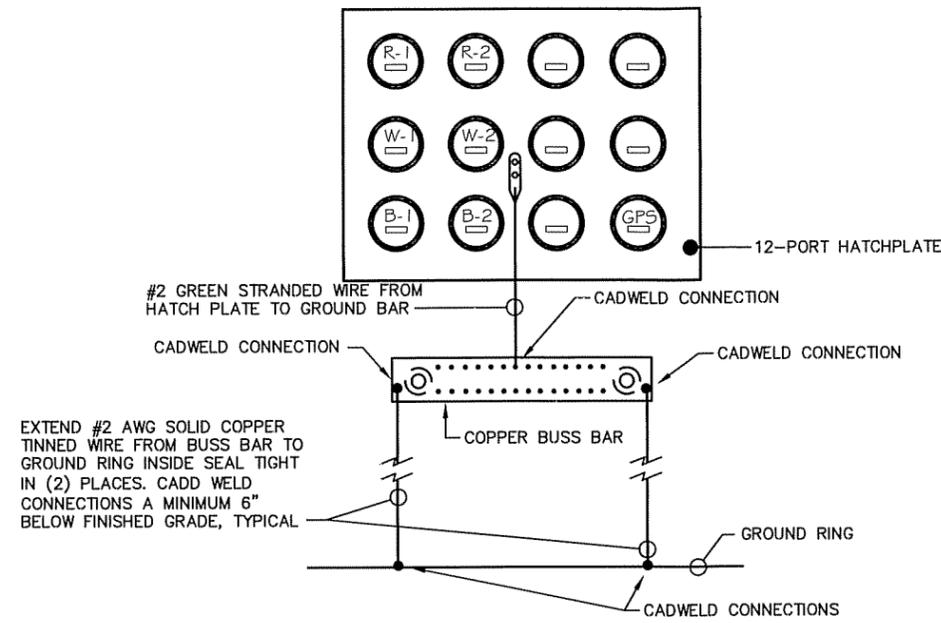
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SCALE: LISTED

SHEET NUMBER
ANTENNA DETAILS
1



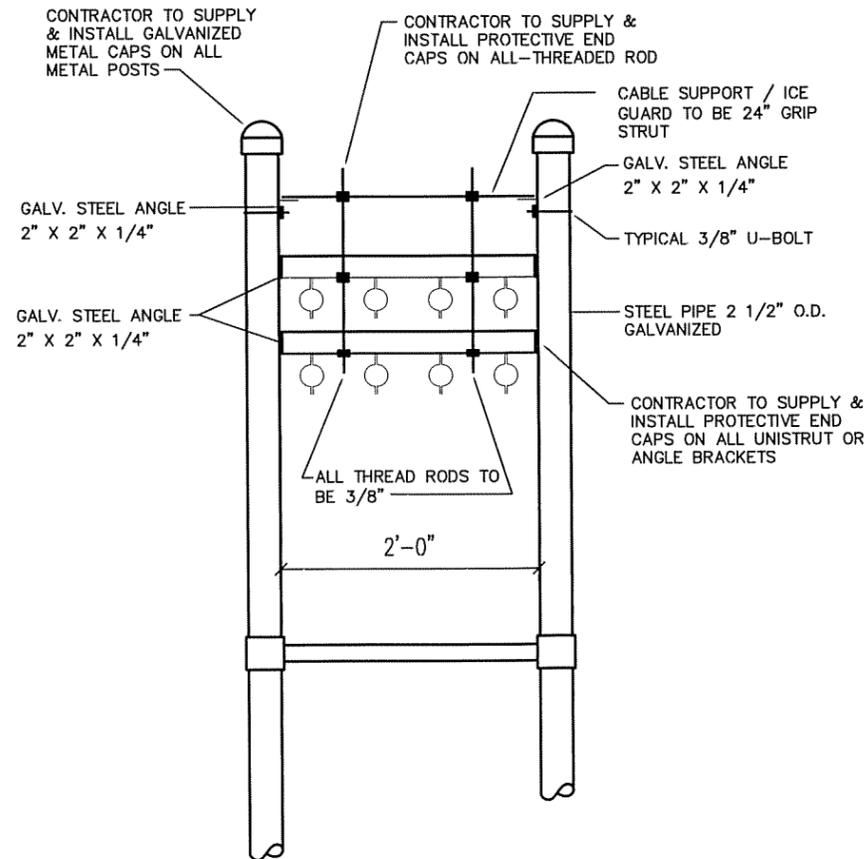
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NO SCALE



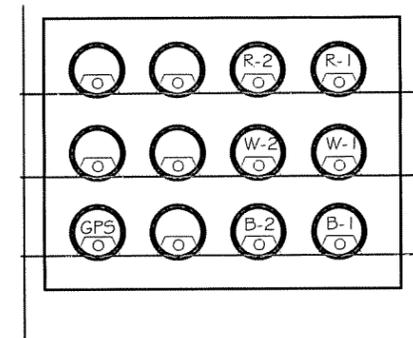
BOOT PORT GROUNDING DETAIL

NO SCALE



ICE BRIDGE / COAX SUPPORT DETAIL

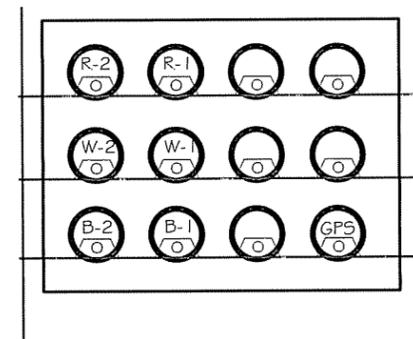
NO SCALE



COAX ENTRY DETAIL POWER SIDE

(VIEW FROM INSIDE SHELTER)

NO SCALE



COAX ENTRY DETAIL A/C SIDE

(VIEW FROM INSIDE SHELTER)

NO SCALE



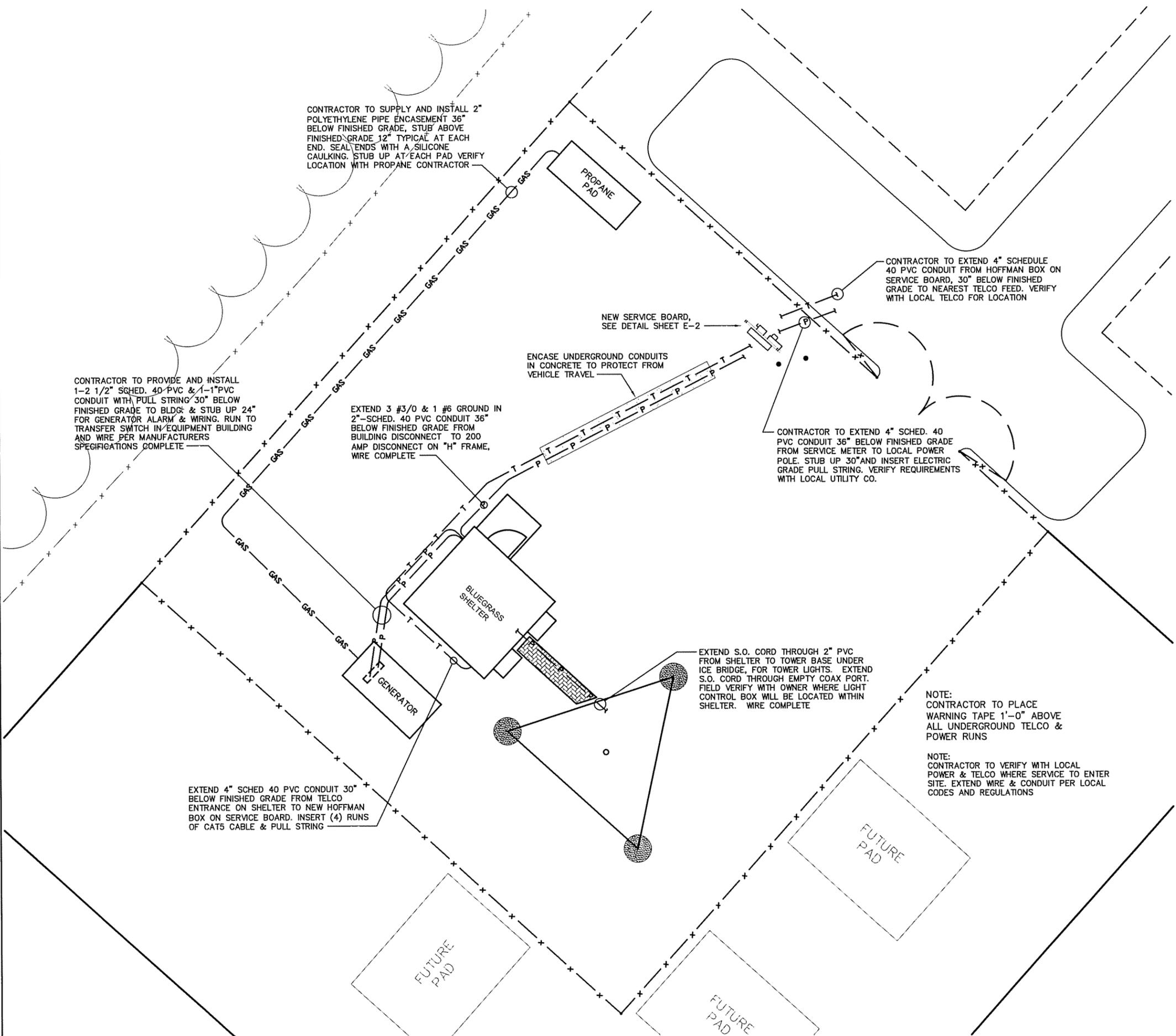
BLUEGRASS CELLULAR, INC.
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SHEET NUMBER
ANTENNA DETAILS
2



CONTRACTOR TO SUPPLY AND INSTALL 2" POLYETHYLENE PIPE ENCASEMENT 36" BELOW FINISHED GRADE, STUB ABOVE FINISHED GRADE 12" TYPICAL AT EACH END. SEAL ENDS WITH A SILICONE CAULKING. STUB UP AT EACH PAD VERIFY LOCATION WITH PROPANE CONTRACTOR

PROPANE PAD

CONTRACTOR TO EXTEND 4" SCHEDULE 40 PVC CONDUIT FROM HOFFMAN BOX ON SERVICE BOARD, 30" BELOW FINISHED GRADE TO NEAREST TELCO FEED. VERIFY WITH LOCAL TELCO FOR LOCATION

NEW SERVICE BOARD, SEE DETAIL SHEET E-2

ENCASE UNDERGROUND CONDUITS IN CONCRETE TO PROTECT FROM VEHICLE TRAVEL

CONTRACTOR TO EXTEND 4" SCHED. 40 PVC CONDUIT 36" BELOW FINISHED GRADE FROM SERVICE METER TO LOCAL POWER POLE. STUB UP 30" AND INSERT ELECTRIC GRADE PULL STRING. VERIFY REQUIREMENTS WITH LOCAL UTILITY CO.

CONTRACTOR TO PROVIDE AND INSTALL 1-2 1/2" SCHED. 40 PVC & 1-1" PVC CONDUIT WITH PULL STRING 30" BELOW FINISHED GRADE TO BLDG. & STUB UP 24" FOR GENERATOR ALARM & WIRING. RUN TO TRANSFER SWITCH IN EQUIPMENT BUILDING AND WIRE PER MANUFACTURERS SPECIFICATIONS COMPLETE

EXTEND 3 #3/0 & 1 #6 GROUND IN 2"-SCHED. 40 PVC CONDUIT 36" BELOW FINISHED GRADE FROM BUILDING DISCONNECT TO 200 AMP DISCONNECT ON "H" FRAME, WIRE COMPLETE

BLUEGRASS SHELTER

GENERATOR

EXTEND S.O. CORD THROUGH 2" PVC FROM SHELTER TO TOWER BASE UNDER ICE BRIDGE, FOR TOWER LIGHTS. EXTEND S.O. CORD THROUGH EMPTY COAX PORT. FIELD VERIFY WITH OWNER WHERE LIGHT CONTROL BOX WILL BE LOCATED WITHIN SHELTER. WIRE COMPLETE

NOTE: CONTRACTOR TO PLACE WARNING TAPE 1'-0" ABOVE ALL UNDERGROUND TELCO & POWER RUNS

NOTE: CONTRACTOR TO VERIFY WITH LOCAL POWER & TELCO WHERE SERVICE TO ENTER SITE. EXTEND WIRE & CONDUIT PER LOCAL CODES AND REGULATIONS

EXTEND 4" SCHED 40 PVC CONDUIT 30" BELOW FINISHED GRADE FROM TELCO ENTRANCE ON SHELTER TO NEW HOFFMAN BOX ON SERVICE BOARD. INSERT (4) RUNS OF CAT5 CABLE & PULL STRING

FUTURE PAD

FUTURE PAD

FUTURE PAD

GENERAL ELECTRICAL NOTES:

- 1) CONTRACTOR RESPONSIBLE FOR MAKING ALL ARRANGEMENTS WITH THE LOCAL UTILITIES FOR SERVICE AND FEE PAYMENTS REQUIRED TO OBTAIN SERVICE.
- 2) CONTRACTOR RESPONSIBLE FOR MAKING ALL ARRANGEMENTS WITH THE LOCAL TELEPHONE COMPANY FOR SERVICE AND FEE PAYMENTS REQUIRED TO OBTAIN SERVICE.
- 3) GROUND RING TO BE CONTAINED WITH IN THE COMPOUNDS FENCED AREA.
- 4) FENCE TO BE GROUNDED FROM GROUND RING TO ALL CORNER POST & GATES. SPACE FENCE GROUNDING APPROXIMATELY 20'-0" O/C. (CAD WELD ALL CONNECTIONS)
- 5) ALL GROUND RING CONNECTIONS TO BE AS CLOSE AS POSSIBLE, SHARP BENDS WILL NOT BE PERMITTED AS WELL AS "T" CONNECTIONS. ALL CONNECTIONS TO HAVE A SWEEPING RADIUS OF 8" MINIMUM. GROUNDING CONFIGURATION TO BE IN PARALLEL.
- 6) CONTACT POINTS FOR GROUNDING TO BE CLEANED OF ANY RUST, PAINT, DIRT, ETC. TO CREATE A GOOD BOND FOR CONDUCTOR. AREA THAT HAS BEEN CLEANED TO BE RESEALED TO PREVENT RUSTING.
- 7) PROPERLY GROUND ANY EXPOSED METAL THAT MAY EXIST ON EXTERIOR OF EQUIPMENT SHELTER OR CABINET.
- 8) WHERE GROUND CONDUCTORS REQUIRE MECHANICAL BONDING, STAINLESS STEEL CONNECTORS ARE REQUIRED AT EACH CONNECTING POINT USING LOCK WASHERS.
- 9) CONTRACTOR RESPONSIBLE FOR SEEING THAT UTILITY PERSONNEL MAKE FINAL CONNECTIONS, MAKING SURE THE TOWER ALARM IS CONNECTED AND WORKING. A TELEPHONE NUMBER FOR THE ALARM MUST BE SUPPLIED.
- 10) CONTRACTOR RESPONSIBLE FOR MEG TESTING THE SITE AND SUPPLYING OWNER WITH FINAL READINGS IN OWNERS SPECIFICATIONS.

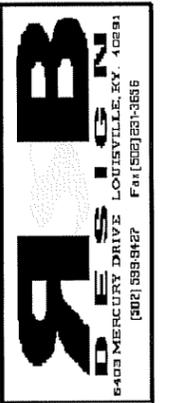
NOTE:
CONTRACTOR TO PROVIDE WARNING TAPE IN TRENCHES FOR ALL POWER AND TELCO RUNS UNDER GROUND. TAPE TO BE INSTALLED 1'-0" ABOVE CONDUIT RUNS.

SYMBOLS LEGEND

	POWER
	GAS
	TELEPHONE
	FENCE
	SWITCH (DISCONNECT)
	METER PACK

SITE PLAN- ELECTRICAL

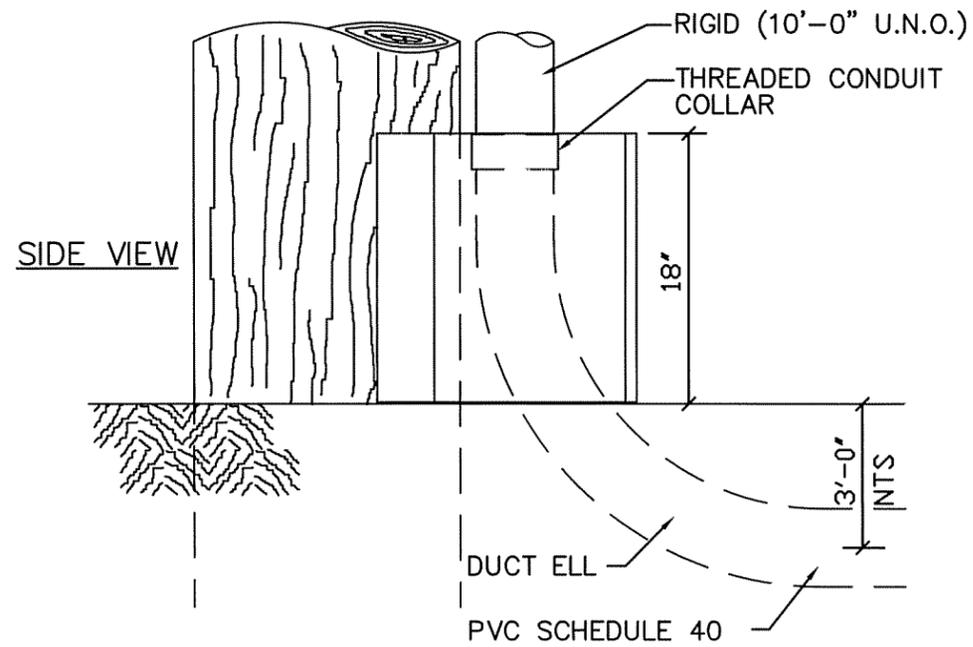
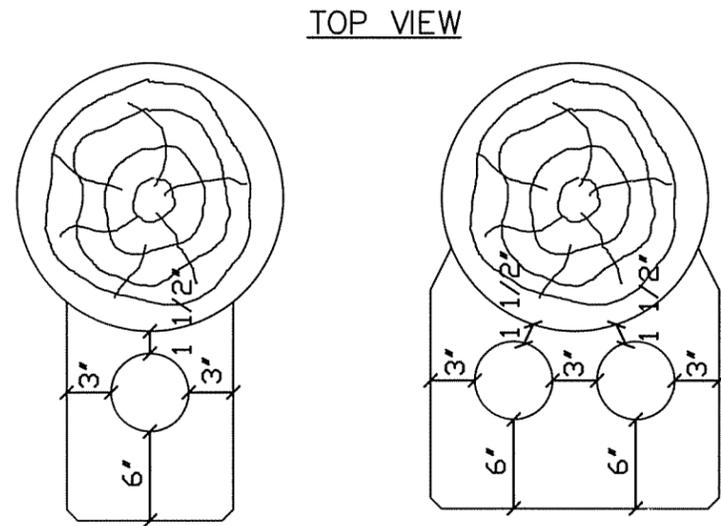
SCALE: 3/32" = 1'-0"



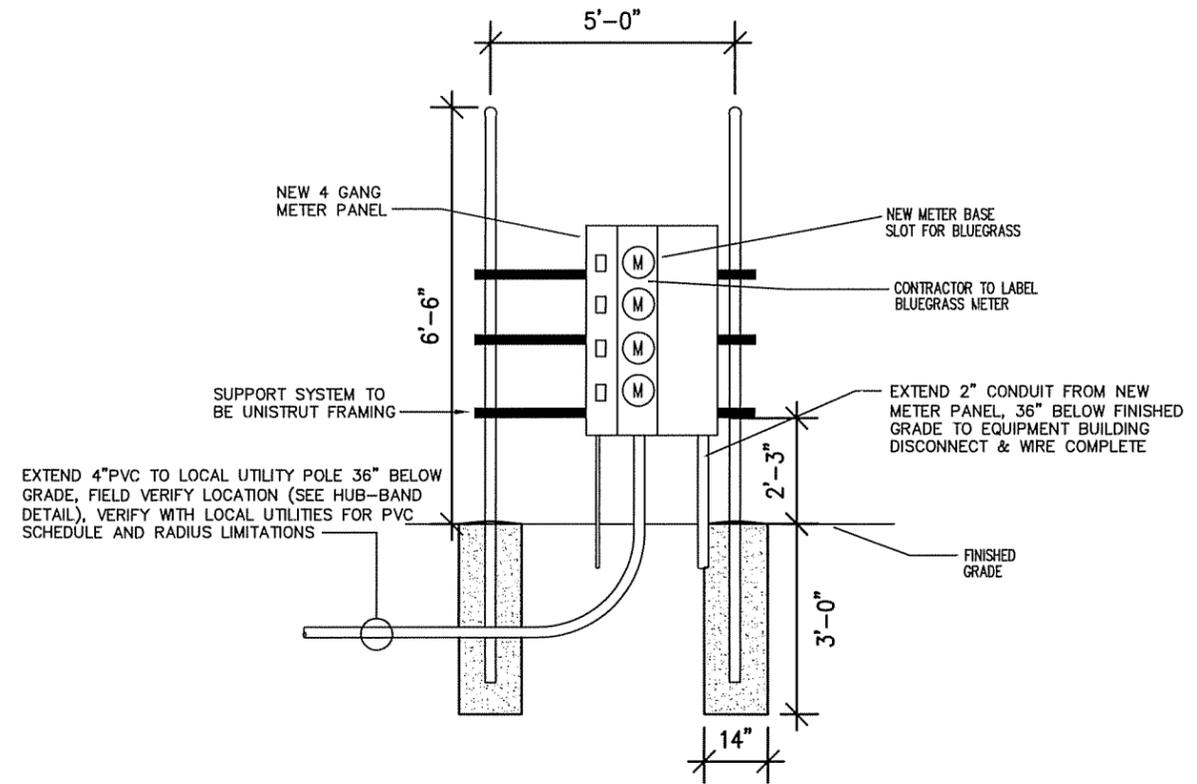
NO.	DATE	REVISION

BLUEGRASS CELLULAR, INC.
STANDARD CELLULAR SITE
WOODBINE
341 SUTTON MILL RD. CORBIN, KY. 40701

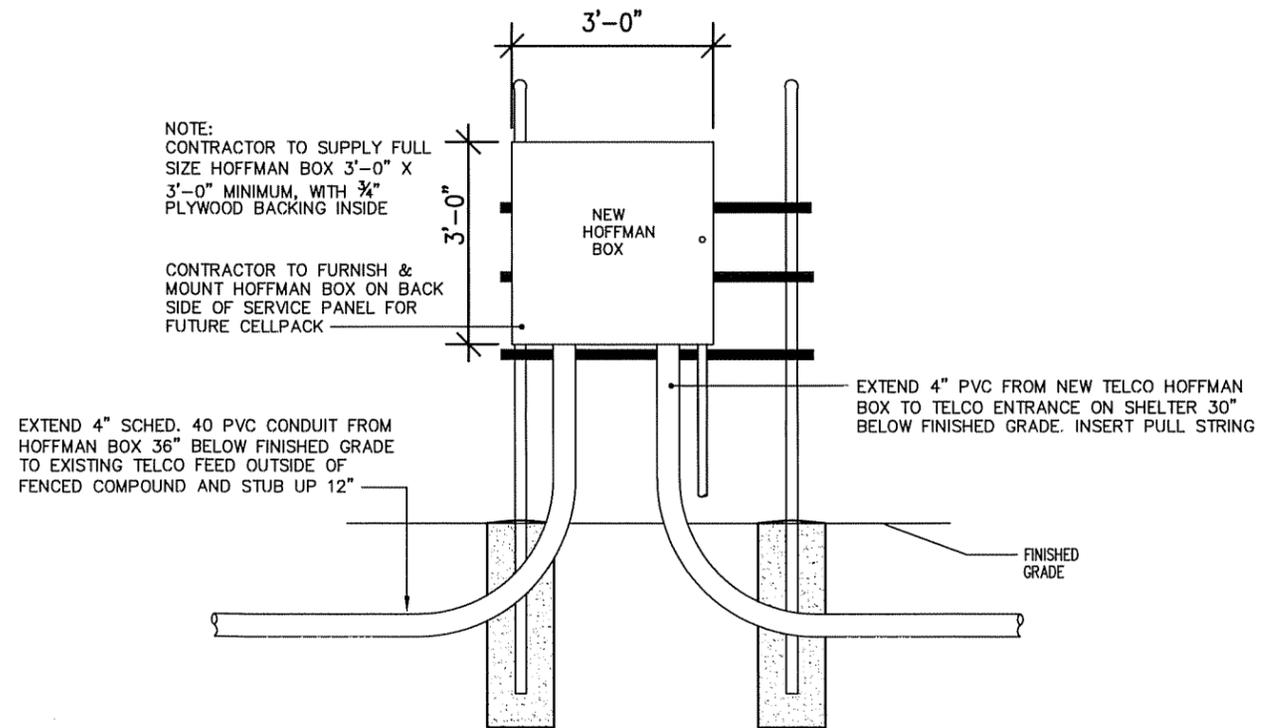
DRAWN BY: R. BECKER	ISSUE DATE: 3-15-08	SCALE: LISTED
SHEET NUMBER E-1		



HUB-BAND DETAIL
 NO SCALE



SERVICE BOARD DETAIL
 NO SCALE



BACKBOARD DETAIL
 NO SCALE

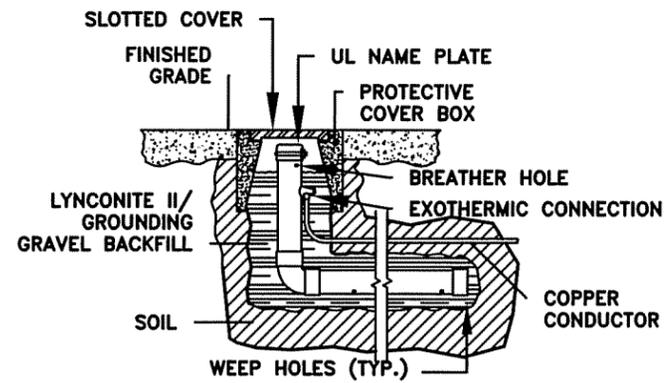


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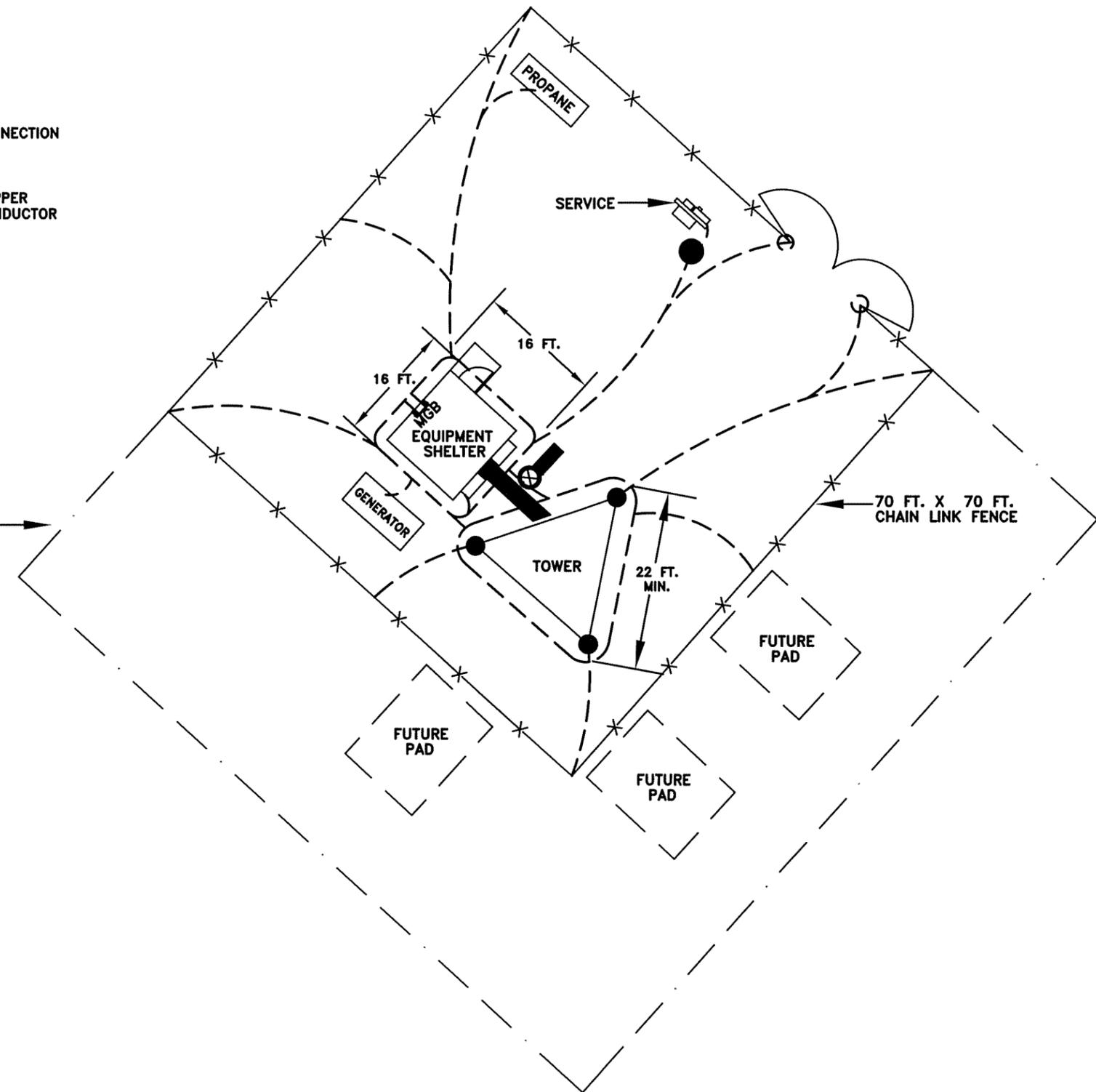
SHEET NUMBER
 E-2



L-SHAPE MODEL
LYNCOLE XIT GROUNDING
(800) 962-2610

DETAIL

100 FT. X 100 FT.
LEASE AREA



NOTES:

- X — FENCE LINE
- BARE #2 AWG TINNED SOLID COPPER CONDUCTOR BURIED 30 IN. BELOW GRADE OR 6 IN. BELOW FROST LINE
ALL BENDS IN GROUND CONDUCTORS TO BE MADE WITH 12 IN. RADIUS OR LARGER
- LEASE AREA
- ⊗ K2L-10CS (SEE DETAIL)
- 5/8 IN. X 10 FT. COPPER CLAD DRIVEN ROD AT THE SERVICE ENTRANCE

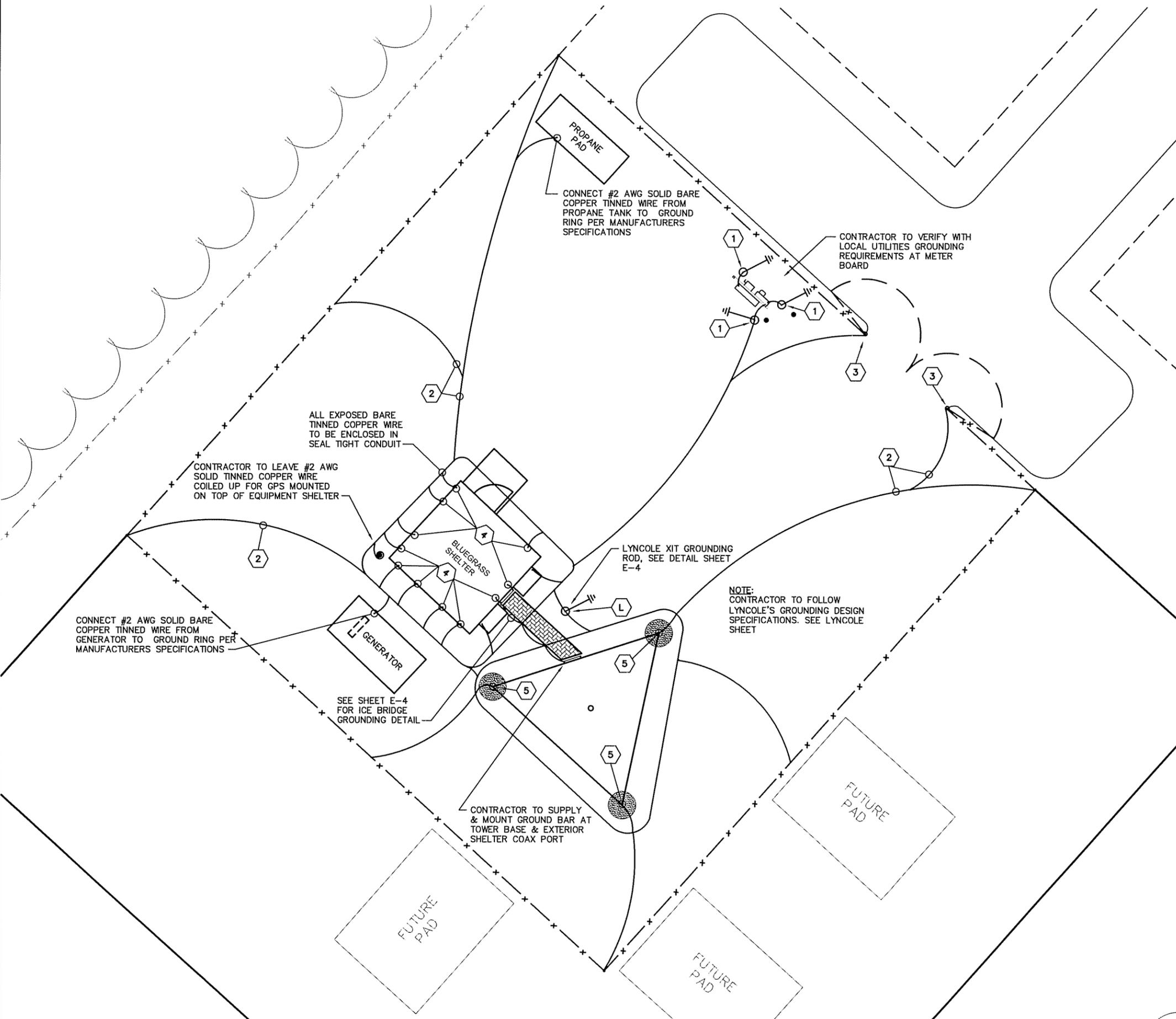
LYNCOLE

TECHNICAL SERVICES

3547 VOYAGER STREET, SUITE 204
TORRANCE, CA. 90503
(800)962-2610 FAX (310)214-1114
ENGINEERING@LYNCOLE.COM

SOIL DATA PROVIDED BY
TERRACON

CLIENT / END USER RSB DESIGN / BLUEGRASS			
DRAWING 1	PROJECT NAME WOODBINE		
TITLE GROUNDING OPTION			
LOCATION WOODBINE		CALCULATED RESISTANCE < 5 OHMS	
DRAWN BY JH	APPROVED BY	DATE 03/26/2008	
REFERENCE NUMBER N/A	SCALE NONE	LTS NUMBER 080093	



GENERAL ELECTRICAL NOTES:

- 1) CONTRACTOR RESPONSIBLE FOR MAKING ALL ARRANGEMENTS WITH THE LOCAL UTILITIES FOR SERVICE AND FEE PAYMENTS REQUIRED TO OBTAIN SERVICE.
- 2) CONTRACTOR RESPONSIBLE FOR MAKING ALL ARRANGEMENTS WITH THE LOCAL TELEPHONE COMPANY FOR SERVICE AND FEE PAYMENTS REQUIRED TO OBTAIN SERVICE.
- 3) GROUND RING TO BE CONTAINED WITH IN THE COMPOUNDS FENCED AREA.
- 4) FENCE TO BE GROUNDED FROM GROUND RING TO ALL CORNER POST & GATES. SPACE FENCE GROUNDING APPROXIMATELY 20'-0" O/C. (CAD WELD ALL CONNECTIONS)
- 5) ALL GROUND RING CONNECTIONS TO BE AS CLOSE AS POSSIBLE, SHARP BENDS WILL NOT BE PERMITTED AS WELL AS "T" CONNECTIONS. ALL CONNECTIONS TO HAVE A SWEEPING RADIUS OF 8" MINIMUM. GROUNDING CONFIGURATION TO BE IN PARALLEL.
- 6) CONTACT POINTS FOR GROUNDING TO BE CLEANED OF ANY RUST, PAINT, DIRT, ETC. TO CREATE A GOOD BOND FOR CONDUCTOR. AREA THAT HAS BEEN CLEANED TO BE RESEALED TO PREVENT RUSTING.
- 7) PROPERLY GROUND ANY EXPOSED METAL THAT MAY EXIST ON EXTERIOR OF EQUIPMENT SHELTER OR CABINET.
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- 9) CONTRACTOR RESPONSIBLE FOR SEEING THAT UTILITY PERSONNEL MAKE FINAL CONNECTIONS, MAKING SURE THE TOWER ALARM IS CONNECTED AND WORKING. A TELEPHONE NUMBER FOR THE ALARM MUST BE SUPPLIED.
- 10) CONTRACTOR RESPONSIBLE FOR MEG TESTING THE SITE AND SUPPLYING OWNER WITH FINAL READINGS IN OWNERS SPECIFICATIONS.

NOTE:
CONTRACTOR TO PROVIDE WARNING TAPE IN TRENCHES FOR ALL POWER AND TELCO RUNS UNDER GROUND. TAPE TO BE INSTALLED AT 9" BELOW GRADE.

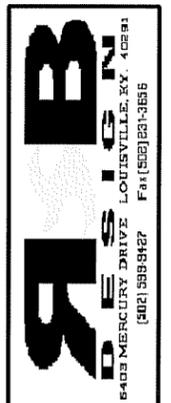
NOTE:
CONTRACTOR TO FOLLOW LYNCOLES GROUNDING SPECIFICATIONS WHEN USING THEIR XIT GROUNDING RODS. SEE DETAIL SHEET E-4.

KEYNOTES:

- L LYNCOLE XIT GROUNDING ROD TO BE INSTALLED WHERE SHOWN AND TO MANUFACTURERS SPECIFICATIONS. (SEE LYNCOLE SPECIFICATIONS)
- 1 GROUNDING RODS 10'-0" LONG x 3/4" COPPER BONDED GROUND RODS
- 2 INSTALL AND PROVIDE SOLID BARE TINNED COPPER WIRE #2 AWG, GROUND RING BELOW GRADE 30". USE #2 AWG SOLID BARE TINNED COPPER GROUND "TAP" CONNECTING CONDUCTORS. (CONNECTIONS FOR ALL TAP CONDUCTORS TO BE PARALLEL AND "CAD WELD" CONNECTIONS)
- 3 FLEXIBLE GROUNDING STRAP TO BE USED TO PROVIDE A COMMON BOND BETWEEN GATE AND CHAIN LINK FENCE, #2 AWG SOLID COPPER BARE TINNED CONDUCTOR FROM GROUND RING TO FENCE USING CAD WELD CONNECTIONS. GROUND TAP TO BE PROVIDED ON EACH 4 SIDES TO GROUND RING AS DESCRIBED ABOVE.
- 4 BONDED GROUND TO BE PROVIDED TO GROUND RING FOR EACH OF THE FOLLOWING: BUILDING STEEL, HATCH PLATE, EMERGENCY RECEPTACLE, WAVE GUIDE STRUCTURE, FRAME WORK, BUILDING DISCONNECT.
- 5 FOR TOWER FRAME GROUNDING, REMOVE GALVANIZED COATING COMPLETELY AT SPOT TO "CAD WELD" TO AND CLEAN. #2 AWG SOLID BARE TINNED COPPER CONDUCTOR TO BE CAD WELDED APPROXIMATELY 1'-0" ABOVE FOUNDATION OR AT FLANGE IF PROVIDED BY TOWER MANUFACTURER. EXTEND CONDUCTOR TO GROUND RING. RIGHT ANGLES NOT ACCEPTED ALL BENDS TO BE SWEEPING.

SITE PLAN-GROUNDING

SCALE: 3/32" = 1'-0"

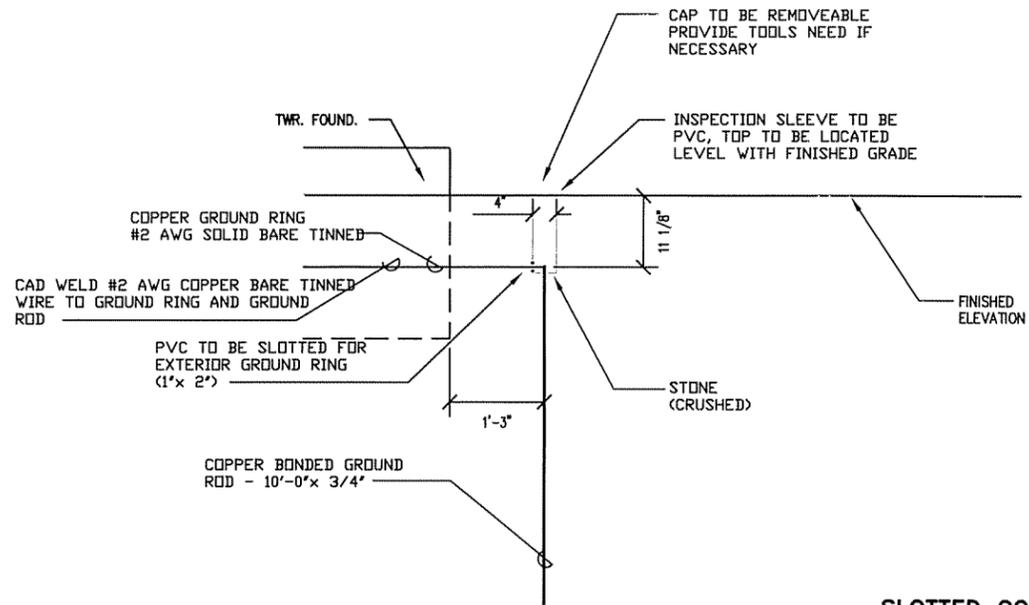


NO.	DATE	REVISION

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STANDARD CELLULAR SITE
WOODBINE
341 SUTTON MILL RD. CORBIN, KY. 40701

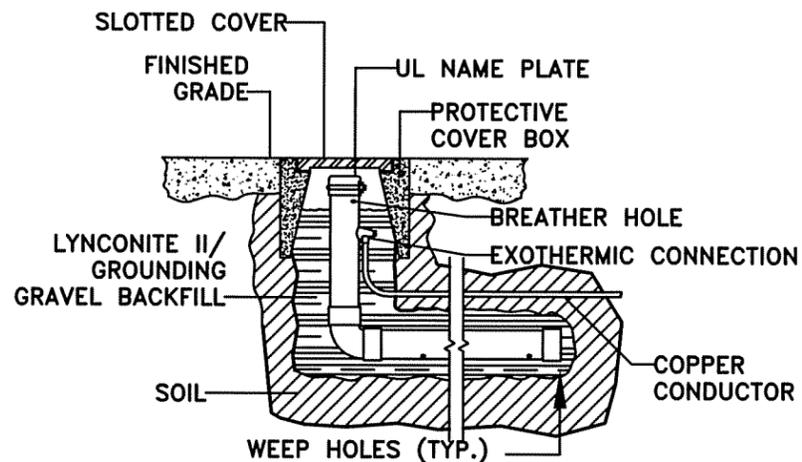
DRAWN BY: R. BECKER
ISSUE DATE: 3-15-08
SCALE: LISTED

SHEET NUMBER
E-3



GROUND ROD DETAIL

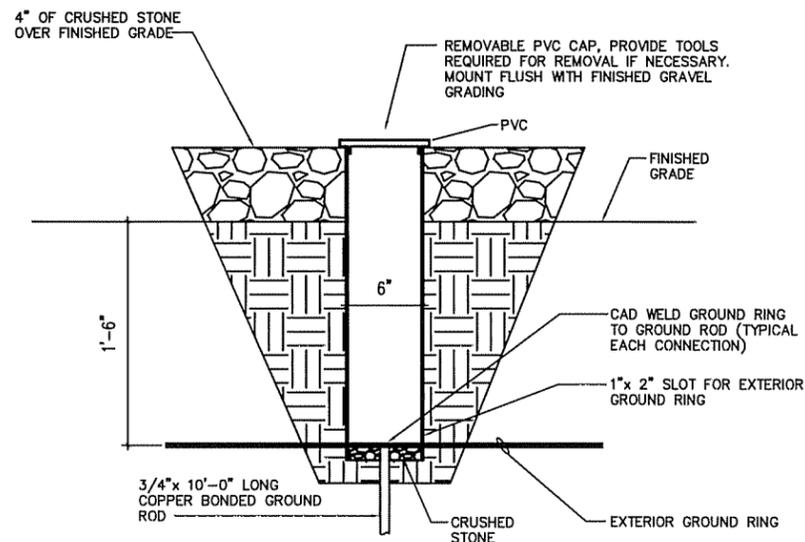
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L-SHAPE MODEL
LYNCOLE XIT GROUNDING
(800) 962-2610

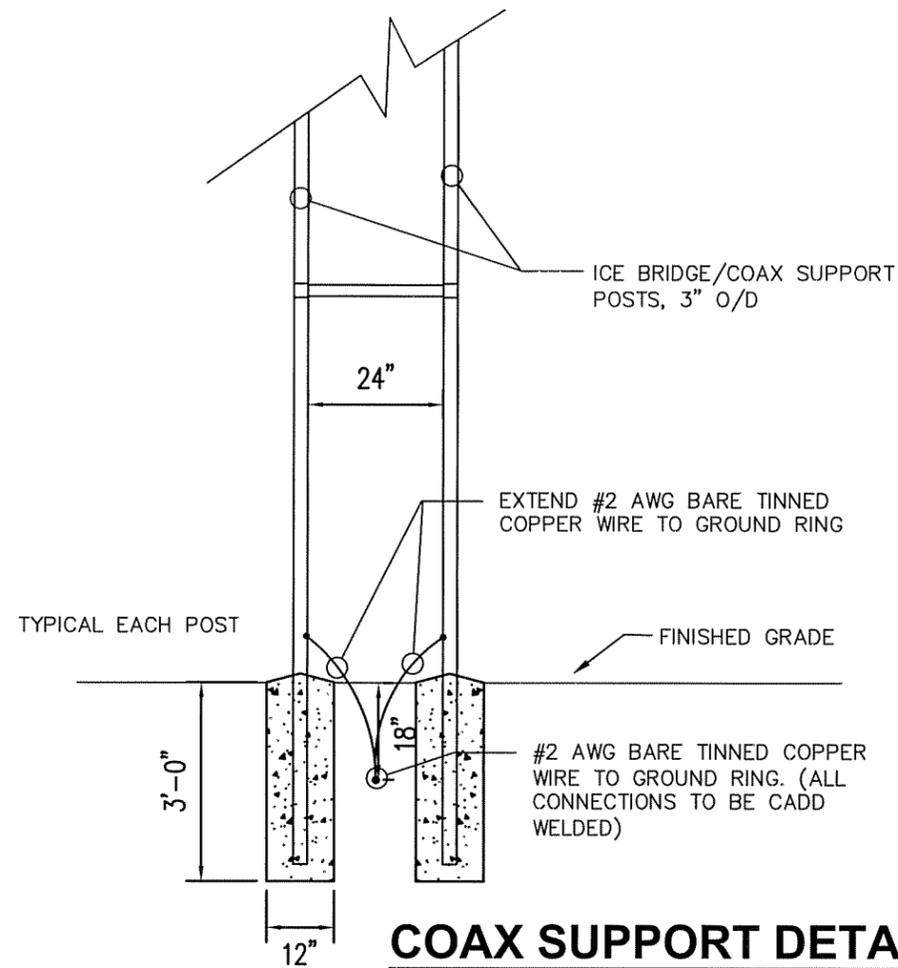
LYNCOLE XIT ROD DETAIL

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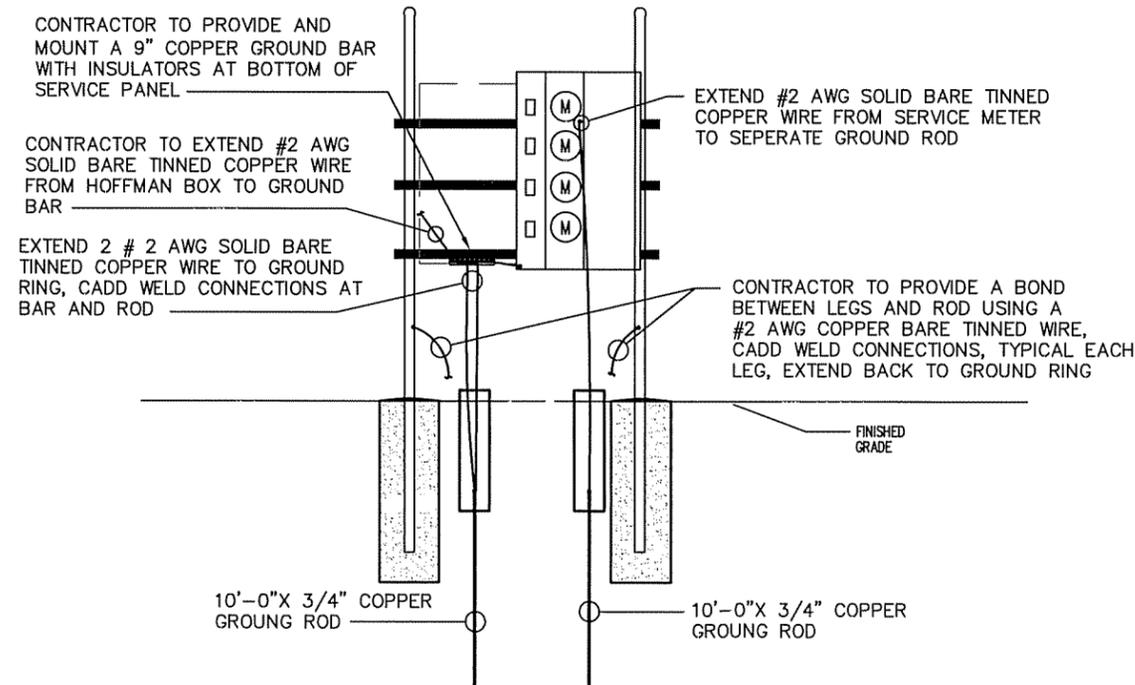
GROUND SLEEVE DETAIL

NO SCALE



COAX SUPPORT DETAIL

NO SCALE



SERVICE BOARD DETAIL

NO SCALE

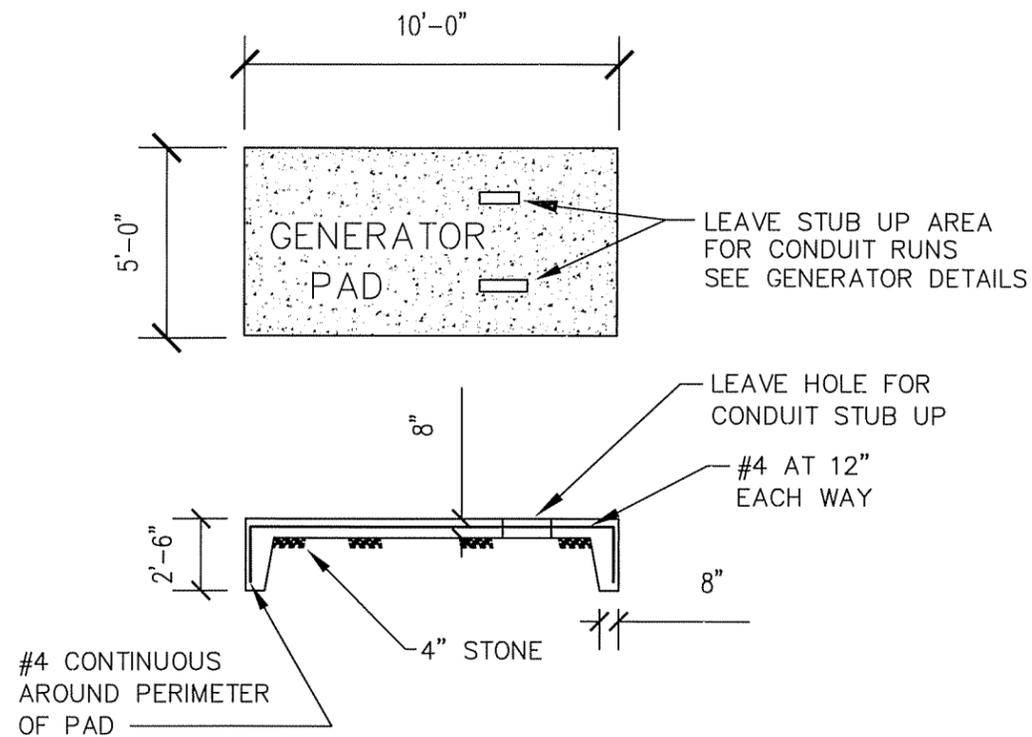


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WOODBINE
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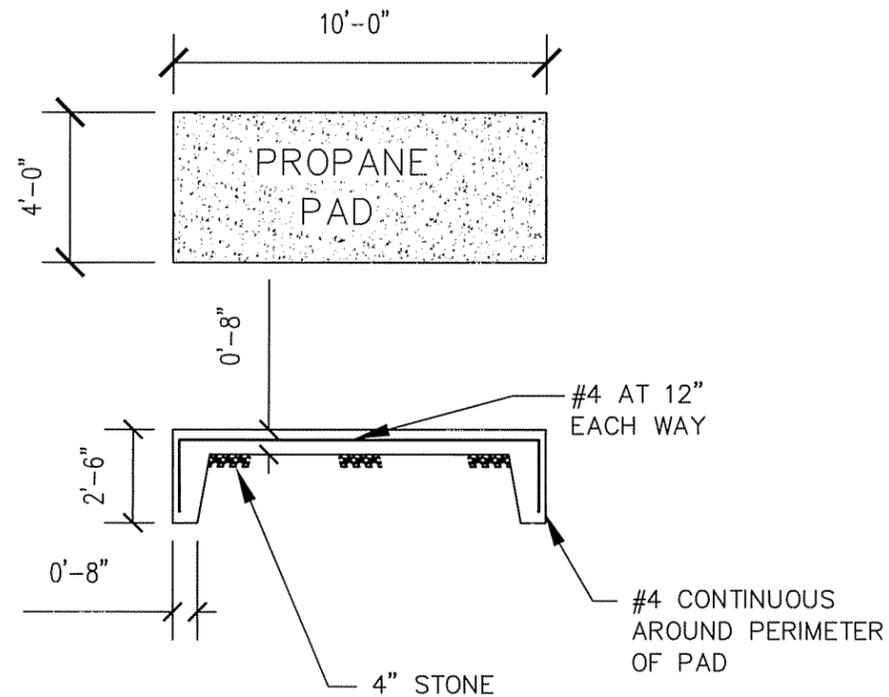
DRAWN BY: R. BECKER	ISSUE DATE: 3-15-08	SCALE: LISTED
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SHEET NUMBER
E-4



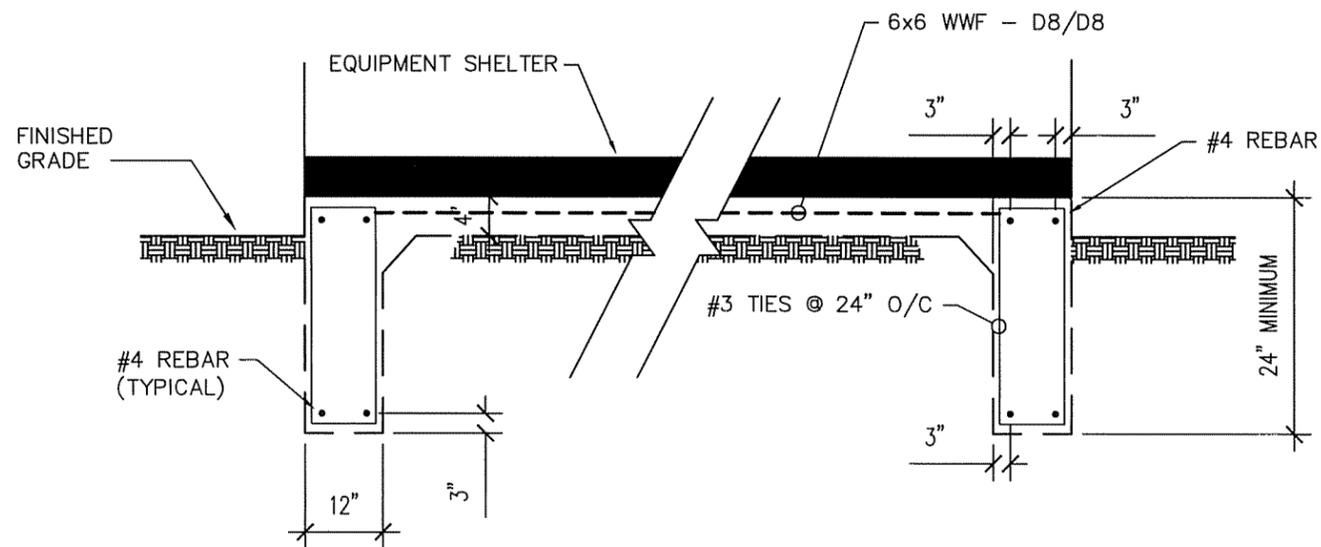
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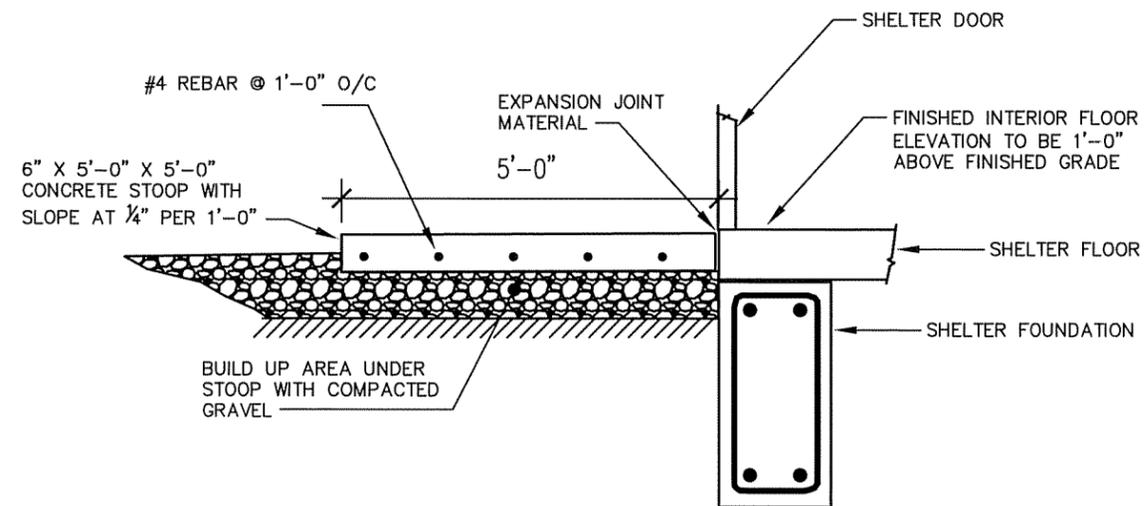
FOUNDATION DETAIL

NO SCALE



SHELTER FOUNDATION PLAN

NO SCALE



CONCRETE STOOP DETAIL

NO SCALE



6405 MERCURY DRIVE, LOUISVILLE, KY. 40291
 (502) 585-5627 Fax (502) 631-3656

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WOODBINE
 341 SUTTON MILL RD. CORBIN, KY. 40701

DRAWN BY: R. BECKER	ISSUE DATE: 3-15-08	SCALE: LISTED
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SHEET NUMBER
 S-1

OG7627

ENGINE SERVICE CONNECTIONS

INLET L/P GAS = 3/4" NPT COUPLING
 INLET NATURAL GAS = 3/4" NPT COUPLING
 OIL DRAIN = 1/2" NPT COUPLING
 EXHAUST OUTLET - EXHAUST MANIFOLDS AS SHOWN
 ON OPEN SET, 3" OD MUFFLER
 OUTLET WITH ENCLOSURE

NOTES:

- CONTROL PANEL MAY BE ROTATED 180° IN EITHER DIRECTION.
 - STANDARD 20A GFCI DUPLEX OUTLET - 120VAC REQUIRED.
 - CONNECTION POINTS FOR CONTROL WIRES PROVIDED IN AC CONNECTION PANEL.
 - EXHAUST MUFFLER SUPPORT BRACKETS SUPPLIED WITH OPTIONAL ENCLOSURE.
 - 12 VOLT NEGATIVE GROUND SYSTEM.
 - 2.5" I. D. FLEX EXHAUST, STANDARD WITH ENCLOSURE UNITS, OPTIONAL WITHOUT.
 - MAIN LINE CIRCUIT BREAKER (MLCB) AND AC LOAD LEAD CONNECTION.
 - REMOVABLE BLANK PANEL FOR OPTIONAL 2nd MAIN LINE CIRCUIT BREAKER.
 - OPTIONAL ENCLOSURE.
 - DOORS MUST BE ABLE TO OPEN 90 DEG. TO BE REMOVED.
 - STUB-UPS:
STANDARD BASE TANK REQUIRES ALL STUB-UPS TO BE OUTSIDE OR IN THE REAR TANK STUB-UP AREA.
 - A OR A' IS THE STUB UP AREA UNDER THE MLCB, DEPENDING ON CIRCUIT BREAKER LOCATION. AREA B IS STUB UP AVAILABLE FOR UNITS WITH A BASE TANK.
 - STONE GUARD AND AIR DUCT ADAPTER STANDARD WITH OPEN SET ONLY.
 - SEE DRAWING OC3850 FOR DUCT REMOVAL. REMOVAL OF FRONT DUCT WILL PROVIDE ACCESS TO MUFFLER FOR SERVICING.
- *NOTE: DIMENSIONS TO THE CENTER OF EXHAUST FLANGE SHOULD BE USED AS A REFERENCE WHEN EXHAUST SYSTEM IS NOT ORDERED. APPLIES TO OPEN SET ONLY.

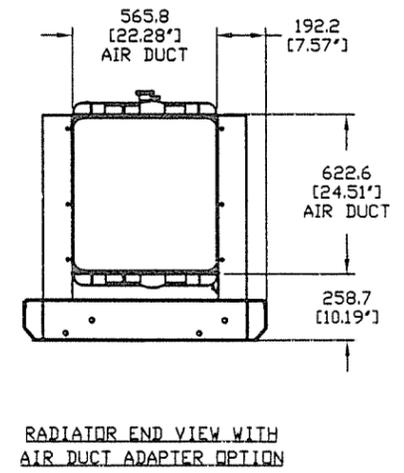
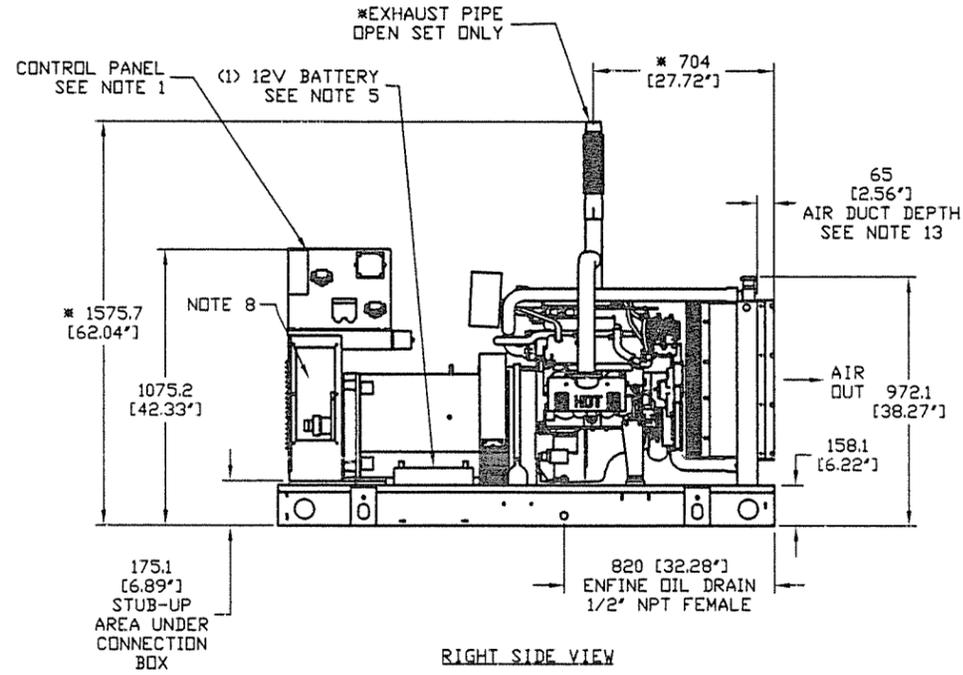
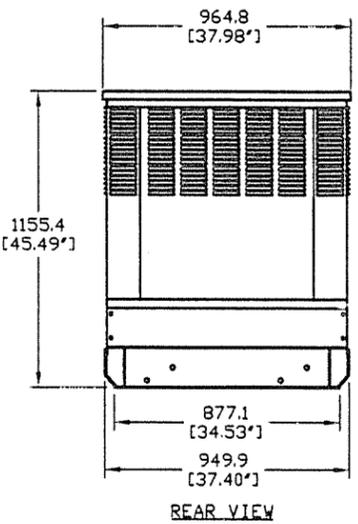
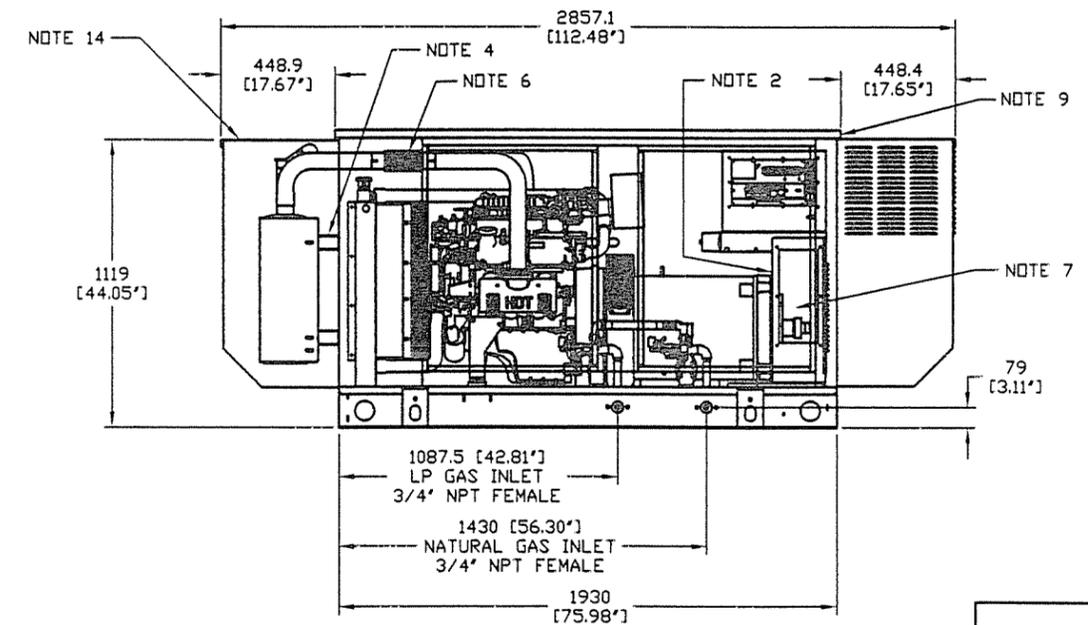
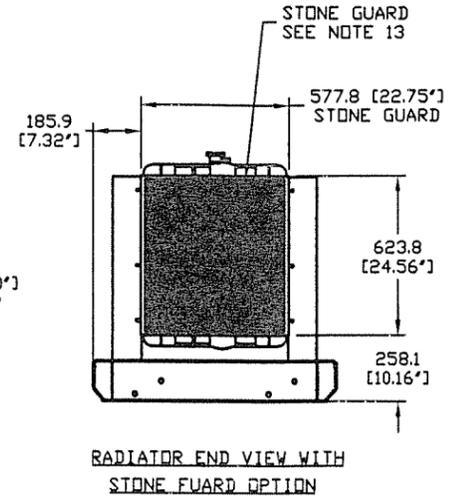
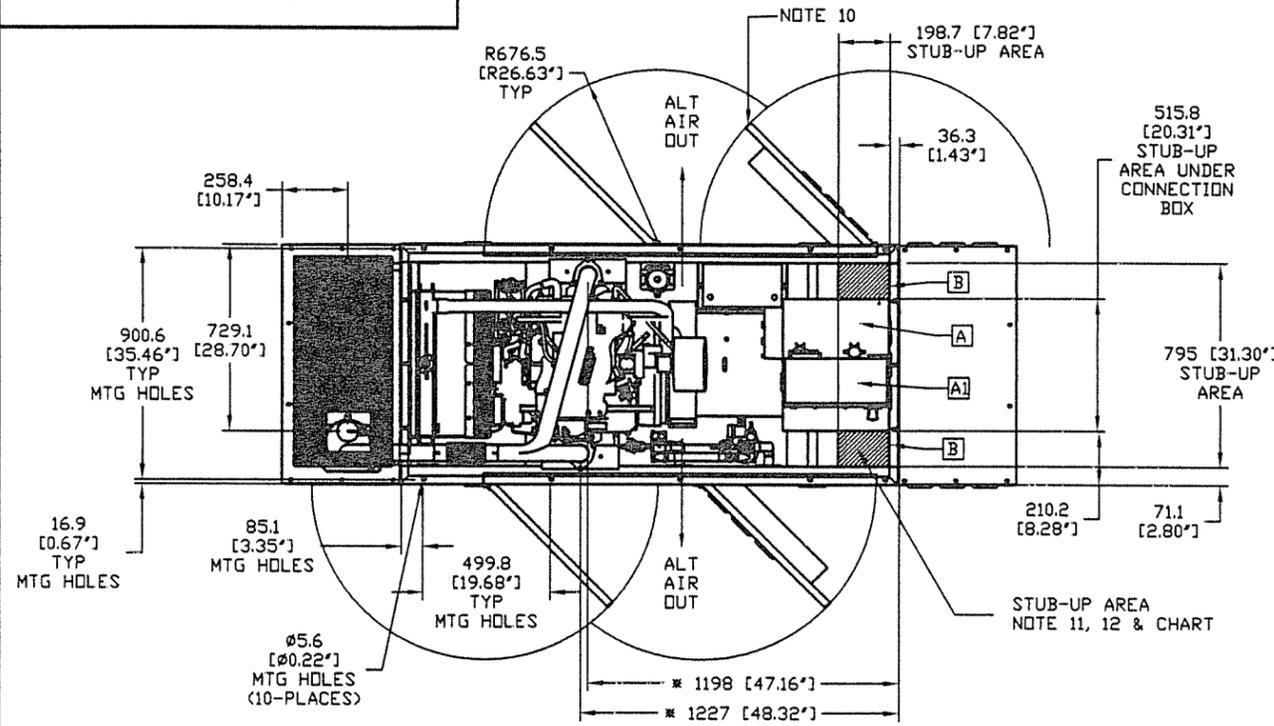
RECOMMENDED FUEL/ELECTRICAL STUB-UPS (SEE TOP VIEW)

DESCRIPTION	INSIDE BASE
AC LOAD LEAD CONDUIT (RIGHT) (LEFT)	A A'
ADDITIONAL STUB UP AREA FOR 120VAC GFCI OUTLET, (STANDARD BLOCK HEATER, BATTERY CHARGER, AND OTHER 120 VAC OPTIONS).	B

NOTE:
 FUEL SYSTEM SET UP WITH OUTSIDE STUB-UPS (SEE RIGHT SIDE VIEW).

WEIGHT DATA
 UNIT: ??? kg [??? lbs.]
 STEEL ENCLOSURE: ??? kg [??? lbs.]

UNITS: mm [INCHES]



GENERAC POWER SYSTEMS OWNS THE COPYRIGHT OF THIS DRAWING WHICH IS SUPPLIED IN CONFIDENCE AND MUST NOT BE USED FOR ANY PURPOSE OTHER THAN FOR WHICH IT IS SUPPLIED WITHOUT THE EXPRESS WRITTEN CONSENT OF GENERAC POWER SYSTEMS.
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SG 35, 40, 45 KW (UPSIZED 100 KW)
 4.2L DIRECT DRIVE
 ACOUSTIC ENCLOSURE
 ISSUE DATE: 11/13/07

GENERAC POWER SYSTEMS Waukesha P.O. BOX 8 WAUKESHA, WIS. 53187	
FILE NAME	OG7627-A.DWG
SCALE	NTS
DWG NO.	OG7627
SIZE	B
FIRST USE	4.2L G3
REV	A

INSTALLATION DRAWING

APPLICABLE TO 4.5L G3 35, 40 & 45KW

GENERAL NOTES:

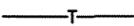
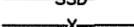
- 1) THE CONTRACTOR IS RESPONSIBLE FOR EQUIPMENT PICK UP DELIVERY TO SITE, ERECTION OF TOWER, AND CRANE SET, ALL COSTS INCURRED.
- 2) THE CONTRACTOR IS RESPONSIBLE FOR VISITING THE SITE PRIOR TO BIDDING AND REVIEWING EXISTING STRUCTURES OR UTILITIES THAT MIGHT BE LOCATED ON OR AROUND THE COMPOUND THAT COULD INTERFERE.
- 3) THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING LOCAL AUTHORITIES NECESSARY FOR INSPECTIONS IF REQUIRED, PLEASE PROVIDE AMPLE NOTICE.
- 4) THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING PERSONS RESPONSIBLE FOR ANY MATERIALS TESTING, PLEASE PROVIDE AMPLE NOTICE.
- 5) THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING THE OWNER WITH FINAL TEST RESULTS ON ALL MATERIALS TESTING. IF ANY PROBLEMS ARE FOUND PRIOR TO FINAL RESULTS PLEASE NOTIFY A&E OR OWNER IMMEDIATELY.
- 6) THE CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE TO ADJOINING PROPERTY, AND REPAIRING OR REPLACING WHAT IS NECESSARY TO OWNERS APPROVAL.
- 7) THE CONTRACTOR IS TO VERIFY DIMENSIONS ON SITE PRIOR TO CONSTRUCTION STARTING, ANY PROBLEMS OR CHANGE FOUND CONTACT A&E OR OWNER TO VERIFY.
- 8) THE CONTRACTOR IS RESPONSIBLE FOR ANY TEMPORARY LIGHTING ON THE TOWER AND CONTACTING PROPER AUTHORITIES IF ANY LIGHTING PROBLEMS OCCUR, ALL FINAL LIGHTING TO BE MOUNTED ON TOWER DURING CONSTRUCTION, NOTIFY OWNER WHEN TOWER HAS REACHED FINAL HEIGHT.
- 9) THE CONTRACTOR IS RESPONSIBLE FOR ALL ON SITE WORK MEANS AND METHODS.
- 10) CONTRACTOR, ANY CONTRACTOR EMPLOYEES OR REPRESENTATIVES, OR SUB-CONTRACTOR, ANY SUB-CONTRACTOR EMPLOYEES OR REPRESENTATIVES, WILL CONFORM TO ALL LAWS AND REGULATIONS APPLICABLE TO THE WORK BEING PERFORMED, INCLUDING BUT NOT LIMITED TO, ALL OCCUPATIONAL SAFETY AND HEALTH ACT ("OSHA") STATUTES AND REGULATIONS AS WELL AS ALL OTHER FEDERAL, STATE AND/OR LOCAL LAWS OR REGULATIONS APPLICABLE TO THE WORK BEING PERFORMED BY CONTRACTOR.
- 11) THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING ALL SITE DRAINAGE, AND PROVIDING SILT AND EROSION CONTROL NECESSARY TO MAINTAIN ANY RUN OFF.
- 12) THE CONTRACTOR IS RESPONSIBLE FOR ALL SEED AND STRAW WORK NECESSARY TO REPAIR DAMAGED AREAS.
- 13) CONTRACTOR TO GRADE SMOOTH OR REPAIR ANY POT HOLES OR DITCHING ON PROPERTY OR ROAD THAT HAS OCCURRED DURING CONSTRUCTION AT CONTRACTORS EXPENSE.
- 14) CONTRACTOR'S RESPONSIBILITIES REGARDING BUILD OUT ON FIBREBOND EQUIPMENT SHELTERS TO INCLUDE:
 - * INSTALLING THE DOOR CANOPY
 - * INSTALLING EXTERIOR LIGHT ON WALL DETERMINED BY PROJECT SUPERVISOR AND PHOTOCCELL REQUIREMENTS
 - * INSTALLING INTRUDER ALARMS
 - * CHECK OPERATIONS OF DOOR AND DOOR HARDWARE
 - * ADJUST WEATHERSTRIPPING ON DOORS AS NEEDED
 - * INSPECT ROOF FOR DAMAGE AND POSSIBLE LEAKS
 - * INSPECT INTERIOR FINISH FOR IMPERFECTIONS AND REPAIR AS NEEDED
 - * CHECK OPERATION OF LIGHTS AND ELECTRICAL OUTLETS
 - * CHECK OPERATION OF INTAKE AND EXHAUST LOUVERS AND ADJUST AS NEEDED
 - * CHECK OPERATION OF ENVIRONMENTAL CONTROLS AND HVAC UNITS
 - * INSTALL AND PAINT SHELTER TIE-DOWNS TO MATCH
- 15) INSTALL CONCRETE PADS FOR BUILDING, PROPANE TANK, GENERATOR PAD.
- 16) INSTALL ELECTRIC AND GROUND FIELD FOR COMPOUND.

- 17) GC WILL BE RESPONSIBLE FOR ALL CRANE OPERATIONS IN ORDER TO SET FIBREBOND BUILDING. COORDINATE BUILDING DELIVERY DATE THROUGH BLUEGRASS CELLULAR.
- 18) GC WILL BE RESPONSIBLE FOR OFF LOADING AND STACKING OF TOWER WHEN APPLICABLE.
- 19) GC WILL BE RESPONSIBLE FOR MOUNTING ALL LINES AND ANTENNAS.
- 20) GC WILL BE RESPONSIBLE FOR SUPPLYING AND INSTALLING ICE BRIDGE.
- 21) GC WILL BE RESPONSIBLE FOR SCHEDULING PROPANE TANK DELIVERY AND HOOK-UP.
- 22) GC WILL BE RESPONSIBLE FOR COORDINATING THE CLEANING OF THE INSIDE OF THE BUILDING WITH THE PROJECT SUPERVISOR AFTER THE SITE HAS BEEN TURNED OVER TO THE OPERATIONS DEPARTMENT AND ALL TURN-UP PROCEDURES HAVE BEEN COMPLETED. THIS WILL INCLUDE SUPPLYING A 30 GALLON TRASHCAN, 30 GALLON TRASH BAGS, BROOM, DUST PAN AND DOORMAT FOR BUILDING.
- 23) GC TO VERIFY ALL BLUEGRASS CELLULAR EQUIPMENT DIMENSIONS & SPECIFICATIONS WITH MANUFACTURER'S DRAWINGS, (FIBREBOND, GENERAC, EASTPOINTE ETC.) PRIOR TO CONSTRUCTION. ADDRESS ANY ISSUES WITH PROJECT SUPERVISOR BEFORE WORK BEGINS.
- 24) ALL WAREHOUSE MATERIAL (LINES, ANTENNAS, MOUNTING HARDWARE, GENERATOR, TOWER FOUNDATION KIT, ETC.) WILL NEED TO BE PICKED UP BY GC.
- 25) GC WILL BE RESPONSIBLE FOR SCHEDULING GENERATOR START-UP WITH CONTACT SCOTT ANDERSON (EVAPAR) 502-267-6315
- 26) T1 CONDUIT WILL NEED TO BE PLACED FROM POLE TO BUILDING. (IF A MICROWAVE DISH IS USED, THE T1 CONDUIT WILL STILL BE INSTALLED FOR FUTURE USE.)
- 27) GC WILL BE RESPONSIBLE FOR INSTALLATION OF ALL FENCING.
- 28) ALL TRASH AND DEBRIS TO BE REMOVED BY GC
- 29) GC WILL BE RESPONSIBLE FOR APPLYING FOR ELECTRICAL SERVICE AND PAYING NECESSARY FEES REQUIRED.
- 30) GC WILL BE RESPONSIBLE FOR SUPPLYING & INSTALLING PROTECTIVE END CAPS ON ANY EXPOSED THREADED ROD OR UNISTRUT USED ON SITE. VERIFY TYPE WITH PROJECT SUPERVISOR PRIOR TO INSTALLATION.
- 31) GC WILL BE RESPONSIBLE FOR HAVING A CERTIFIED ELECTRICIAN HOOK UP THE BATTERIES (IMMEDIATELY) AFTER POWER HAS BEEN TURNED UP AT THE SITE, PREVENTING THE DELAY OF ANY WORK FOR OPERATIONS. THE GENERAL CONTRACTOR MUST NOTIFY THE PROJECT SUPERVISOR IMMEDIATELY AT THIS TIME SO HE CAN COORDINATE A CELL TECH TO BE ONSITE WHEN THIS OCCURS.
- 32) GC WILL BE RESPONSIBLE FOR RUNNING (CAT5) FROM THE GENERATOR ALARM PANEL MOUNTED ON THE SIDE OF THE TRANSFER SWITCH (BY THE CONTRACTOR), THROUGH THE TRANSFER SWITCH AND UP TO THE EXISTING CONDUIT BESIDE THE A/C POWER FAIL RELAY. THE (CAT5) WILL BE PULLED THROUGH EXISTING CONDUIT AROUND THE SHELTER AND EXTENDED TO THE ALARM BLOCK. THERE SHOULD BE A MINIMUM 3'-0" OF (CAT5) LEFT HANGING ON EACH END FOR THE CELL TECH TO HOOK UP THE GENERATOR ALARMS.
- 33) GC MUST SUBMIT A COPY OF THE BUILDING PERMIT AND CONSTRUCTION SCHEDULE TO THE PROJECT SUPERVISOR PRIOR TO RECEIVING (NTP) TO BEGIN CONSTRUCTION (NO EXCEPTIONS).

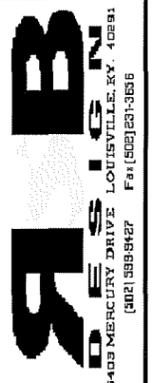
GRADING & EXCAVATING NOTES:

- 1) ANY DAMAGE TO EXISTING UTILITIES, STRUCTURES, ROADS AND PARKING AREAS TO BE REPAIRED OR REPLACED TO OWNERS SATISFACTION.
- 2) PREPARATION FOR FILL:
REMOVAL OF ALL DEBRIS, WET AND UNSATISFACTORY SOIL MATERIALS, TOPSOIL, VEGETATION, AND HARMFUL MATERIALS FROM SURFACE OF GROUND PRIOR TO PLOWING, STRIPPING, PLACING FILLS OR BREAKING UP OF SLOPED SURFACES GREATER THAN 1 VERTICAL TO 4 HORIZONTAL SO MATERIAL FOR FILL WILL BOND TO EXISTING SURFACE. WHEN AREA TO RECEIVE FILL HAS A DENSITY LESS THAN REQUIRED, BREAK UP GROUND SURFACE TO DEPTH REQUIRED, AERATE, MOISTURE - CONDITION, OR PULVERIZE SOIL AND RECOMPACT TO REQUIRED DENSITY.
- 3) BACK FILLING:
- EXCAVATED AREA SHALL BE CLEARED FROM STONES OR CLODS OVER 2 1/2" MAXIMUM DIAMETER
- SHALL BE PLACED IN LAYERS OF 6" AND COMPACTED TO A 95% STANDARD PROCTOR, USE A 90% PROCTOR IN GRASSED / LANDSCAPED AREAS WHERE REQUIRED.
- SHALL BE APPROVED MATERIALS CONSISTING OF SANDY CLAY, GRAVEL AND SAND, SOFT SHALE, EARTH OR LOAM. CONSULT WITH OWNER PRIOR TO FILL BEING ADDED.
- 4) ALL MATERIAL FOR FILL TO BE APPROVED BY OWNER AND ALL COMPACTING TEST TO BE COMPLETED TO SPEC'S ALL COMPACTING RESULTS TO BE TURNED OVER TO OWNER.
- 5) AFTER COMPLETION OF BELOW GRADE EXCAVATING, AREA TO BE CLEANED AND CLEARED OF ANY UNSUITABLE MATERIALS, SUCH AS TRASH, DEBRIS, VEGETATION AND SO FORTH.
- 6) ANY EXCAVATING IN WHICH CONCRETE IS TO BE PLACED SHALL BE SUBSTANTIALLY HORIZONTAL ON UNDISTURBED AND UNFROZEN SOIL AND BE FREE OF ANY LOOSE MATERIAL AND EXCESS GROUND WATER.
- 7) IF SOUND SOIL IS NOT REACHED AT DESIGNATED EXCAVATION DEPTH, THE POOR SOIL IS TO BE EXCAVATED TO ITS FULL DEPTH AND EITHER REPLACED WITH MECHANICALLY COMPACTED GRANULAR MATERIAL OR THE EXCAVATION TO BE FILLED WITH THE SAME QUALITY CONCRETE SPECIFIED FOR THE FOUNDATION. PLEASE NOTIFY THE PROJECT SUPERVISOR AND THEY WILL HAVE A 3RD PARTY ENGINEERING FIRM CONTACT YOU WITH RECOMMENDATIONS.
- 8) MECHANICALLY COMPACTED GRANULAR MATERIAL OR CONCRETE OF THE SAME QUALITY SPECIFIED FOR THE FOUNDATIONS TO BE USED IF EXCAVATION EXCEEDED THE OVERALL REQUIRED DEPTH. FOR STABILIZATION OF THE BOTTOM OF THE EXCAVATION, CRUSHED STONE MAY BE USED. STONE, IF USED, SHALL NOT BE USED AS COMPILING CONCRETE THICKNESS. PLEASE NOTIFY THE PROJECT SUPERVISOR AND THEY WILL HAVE A 3RD PARTY ENGINEERING FIRM CONTACT YOU WITH RECOMMENDATIONS.
- 9) EXCAVATION TO COMPOUND TO INCLUDE WEED CONTROL MAT.
- 10) SITE TO HAVE PROPER DRAINAGE & EROSION CONTROL (CROWNED FORMATION)
- 11) GC WILL BE RESPONSIBLE FOR REPAIR OF ALL AREAS DISTURBED DURING CONSTRUCTION. (EXCAVATING ISSUES)

SYMBOLS LEGEND

-  KEYNOTE
-  INSPEC. SLEEVE / GRND ROD
-  INSPECTION SLEEVE
-  CAD WELD CONNECTION
-  TRANSFORMER
-  LIGHTNING SUPPRESSOR
-  SWITCH (DISCONNECT)
-  METER PACK
-  POWER
-  GAS LINE
-  WATER LINE
-  SANITARY SEWER
-  TELEPHONE
-  STORM SEWER DRAIN
-  FENCE

"BEFORE YOU DIG"
THE CONTRACTOR'S ATTENTION IS DIRECTED TO THE UTILITY PROTECTION CENTER, PHONE 1-800-752-6007, WHICH WAS ESTABLISHED TO PROVIDE ACCURATE LOCATIONS OF UNDERGROUND UTILITIES. THE CONTRACTOR SHALL NOTIFY THE UTILITY PROTECTION CENTER 48 HOURS IN ADVANCE OF ANY CONSTRUCTION ON THIS PROJECT. ALL NEW SERVICE AND GROUNDING TRENCHES PROVIDE A WARNING TAPE @ 12 INCHES BELOW GRADE.



BLUEGRASS CELLULAR, INC.
STANDARD CELLULAR SITE
WOODBINE
341 SUTTON MILL RD., CORBIN, KY. 40701

NO.	DATE	REVISION

BLUEGRASS CELLULAR, INC.
STANDARD CELLULAR SITE
WOODBINE
341 SUTTON MILL RD., CORBIN, KY. 40701

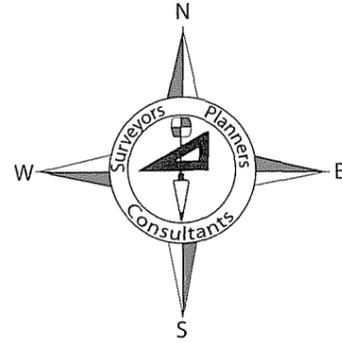
DRAWN BY: R. BECKER
ISSUE DATE: 3-15-08
SCALE: LISTED

SHEET NUMBER
General Notes

C

Landmark Surveying Co., Inc.

Darren L. Helms, P.L.S., PRESIDENT
Dennis N. Helms, P.L.S., VICE PRESIDENT



15 N.E. 3rd Street
Washington, Indiana 47501
Phone: 812-257-0950
Fax: 812-257-0953
Email: landmark97@sbcglobal.net

Directions to the Site From the County Seat of Whitley County, Kentucky

Woodbine Site
Whitley County, Kentucky

From Williamsburg, Kentucky: travel north on I-75 to exit 25 and U.S. Highway 25W on the southwest side of Corbin; turn right onto U.S. Highway 25W and travel northeast 2.5 miles to Kentucky Highway 26 in Corbin; turn right onto Kentucky Highway 26 and travel south for 1.5 miles to Mitchell Hill Road; turn right onto Mitchell Hill Road and travel west for 0.2 miles to Sutton Mill Road; turn left onto Sutton Mill Road and travel southwest 0.3 miles to a gate and the tower access lane on the right or north side of the road; turn right onto the lane and travel west about 0.25 miles to the tower site on the side of a hill in a pasture. The address of the site is 341 Sutton Mill Road, Corbin, Kentucky 40701.

Darren L. Helms

Darren L. Helms, Kentucky Professional Land Surveyor No. 3386

FEB. 26, 2008

Date



Site Name: Woodbine

OPTION TO LEASE AND LEASE AGREEMENT

I.

OPTION TO LEASE REAL PROPERTY

THIS OPTION TO LEASE REAL PROPERTY (the "Option Agreement") is made and entered into this 7 day of January, 2008, by and between Pennington Farms, LLC, whose address is 2427 South Main St., Corbin, KY 40701 (the "Optionor (s)") and Bluegrass Wireless LLC, a Kentucky limited liability company with principal office and place of business at 2902 Ring Road, Elizabethtown, KY 42701 (the "Optionee").

W I T N E S S E T H:

WHEREAS, the Optionor(s) is the owner of certain real property located in Whitley County, **Kentucky** as more particularly described on Exhibit A attached hereto and incorporated herein by reference (the "Property"); and

WHEREAS, the Optionor(s) wishes to grant to the Optionee, and the Optionee wishes to obtain from the Optionor(s), an option to lease the Property upon the terms and conditions set forth herein;

NOW, THEREFORE, in consideration of the foregoing premises and for other good and valuable consideration, the mutuality, receipt and sufficiency of which are hereby acknowledged, the parties hereto do agree as follows.

Site Name: Woodbine

1. In consideration of **One Thousand Eight Hundred Dollars and Zero Cents (\$1,800.00)** paid by the Optionee to the Optionor(s) (the "Option Consideration"), the receipt of which is hereby acknowledged by the Optionor(s), the Optionor(s) hereby grants to the Optionee an exclusive and irrevocable option to lease the Property (the "Option"), upon the terms and conditions hereinafter set forth, upon the exercise of the Option at any time before 4:00 p.m. prevailing time on 7-8-09, (the "Option Period") as set forth in Paragraph 5 thereof.
2. The parties hereto anticipate that the Property comprises approximately a **One Hundred Foot by One Hundred Foot** area, and that a right of way will be given by the Optionor(s) for the purposes of ingress and egress throughout the term of the lease. The Optionee shall obtain an accurate survey of the Property by a registered land surveyor licensed in the Commonwealth of Kentucky at the sole expense of the Optionee. A copy of the survey shall be provided to the Optionor(s). The description of the Property shall include the number of acres determined by the surveyor. The Optionee shall obtain said survey within a reasonable time following the date of the Option Agreement.
3. During the term of the Option, the Optionee may enter onto the Property at its own risk to obtain soil samples and to bore soil for the purposes of determining the suitability of the Property for a communications tower.
4. Upon the Optionee's proper exercise of the Option in accordance with Paragraph 5 hereof, the Optionor(s) shall be deemed to have immediately executed, acknowledged and delivered to the Optionee the Lease Agreement contained in Section II hereof. The description of the Property shall be that determined by the registered land surveyor in accordance with Paragraph 2 hereof.

Site Name: Woodbine

5. If the Optionee elects to exercise the Option in accordance with the terms hereof, notice of such election shall be deemed sufficient if personally delivered or sent by registered or certified mail, return receipt requested, to the address of the Optionor(s) set forth in Paragraph **14** hereof.
6. The Optionor(s) agrees not to sell, lease or offer for sale or lease the Property during the term of this Option or any renewal or extension of the Option.
7. In the event the Optionee fails to exercise the Option as set forth herein (unless such failure is due to the discovery of a defect in the Property or other matter unsatisfactory to the Optionee), the Optionor(s) shall have the right to retain the Option Consideration.
8. The Optionee may assign this Option with written consent of the Optionor(s), which consent shall not be unreasonably withheld, and upon any assignment such assignee shall have all the rights, remedies and obligations as if it were the original Optionee hereunder. From and after any such assignment, the term "Optionee" shall refer to such assignee.
9. Each party hereto shall bear any and all of its own expenses in connection with the negotiation, execution or settlement of this Option.
10. Risk of loss with respect to the Property during the term of this Option and during the term of the lease shall be upon the Optionor(s). If, during the term of the Option, any portion of the Property shall be acquired by public authority under the right or threat of eminent domain, the Optionee may, at its sole option, either (i) exercise the

Site Name: Woodbine

Option, and in such event, all sums received from the public authority by the Optionor(s) by reason of the taking of a portion of the Property shall reduce the rent due under the lease, or (ii) terminate this Option and thereupon the Optionor(s) shall be obligated to return to the Optionee the full amount of the Option Consideration previously paid to the Optionor(s) in "good and collected funds."

11. The parties hereto represent to each other that neither has engaged any broker to represent their interests in connection with the transactions contemplated hereby, and each agrees to indemnify the other against any and all claims made by any brokers engaged or purported to be engaged by the other for brokerage commissions or fees in connection with the transactions contemplated hereby.
12. The Optionor(s) represents, warrants and covenants to the Optionee that the Optionor(s) has not caused or permitted, and shall not cause or permit, and to the best of Optionor(s)' knowledge no other person has caused or permitted any hazardous material (as defined by any applicable federal, state or local law, rule or regulation) to be brought upon, placed, held, located or disposed of at the Property. In the event any such contamination occurs for which the Optionee becomes legally liable, the Optionor(s) shall indemnify the Optionee against all claims, damages, judgments, penalties and costs and expenses, including reasonable attorneys' fees, which Optionee may incur.
13. This Option Agreement and the rights and obligations of the parties hereto shall be construed in accordance with the laws of the Commonwealth of Kentucky.

Site Name: Woodbine

14. For the purposes of giving notice as permitted or required herein, the address of the Optionor(s) shall be: **2427 South Main Street, Corbin, KY 40701**; the Optionee's address shall be: **2902 Ring Road, Elizabethtown, KY 42701**. Any inquiry by the Optionor to the Optionee regarding the terms and conditions of the Option Agreement or Lease Agreement, or otherwise related to the Option Agreement or Lease Agreement, shall be made in writing and submitted to the attention of the Optionee's Lease Administrator at the above address.
15. The Optionee shall have the right, in its sole discretion, to record this Option in the Office of the Clerk of the County Court of Whitley County, **Kentucky**.

II.

LEASE AGREEMENT

16. In the event the Optionee elects to exercise the Option to lease the Property, the terms of the Lease Agreement ("Lease Agreement" or "Lease") shall become immediately effective upon such exercise and shall be as follows.
 1. The term of the Lease shall commence on the date that the Optionor(s) receives proper notice that the Optionee has exercised the Option, pursuant to Paragraph 5 therein. The initial term shall expire **five (5) year(s)** from the commencement date of the Lease Agreement and shall include **six (6) additional five (5)-year terms** per the Lease Agreement. Optionee may, by providing written notice at least sixty (60) days prior to the expiration of the original or any renewal Lease term, elect to unilaterally terminate this Lease at the end of any original or renewal Lease term. Such notice must be personally delivered or sent via registered or certified mail, return receipt requested, to

Site Name: Woodbine

the address of the Optioner(s) set forth in Paragraph 14 hereof. The Lease amount shall be adjusted at the end of each term by an increase of 12%.

2. The Optionee shall pay to the Optionor(s) rent for the Property in the sum of Four Thousand Eight Hundred Dollars and Zero Cents (\$4,800.00) yearly, to be paid in advance. All rent payments shall be personally delivered or mailed to the Optionor(s) at the address set forth in Paragraph 14 hereof. Any check payment of the rent due under the Lease shall be payable to the order of Optionor(s).
3. The Optionee shall be entitled to use and occupy the Property for the purpose of erecting, maintaining and operating a communications tower and communications facilities thereon and for all such other uses as Optionee may, in its sole discretion, deem necessary in connection therewith.
4. The Optionor(s) shall be responsible for the payment of all real estate taxes which shall be assessed against the Property during the term of the lease. The Optionee shall pay all charges for heat, water, gas, electricity, sewer use charges and any other utility used or consumed on the Property. The Optionee shall, at its own cost and expense, maintain and keep in full force and effect during the term of the lease public liability insurance with coverage in the amount of at least one million dollars (\$1,000,000.00) per person for bodily injury, disease, or death and shall maintain property insurance on any property the Optionee located on the Property.

Site Name: Woodbine

5. The Optionee may assign the lease. The Optionee may sublet all or part of the space on the tower or ground space.
6. The Optionor(s) covenants that upon the Optionee's payment of the rent agreed upon herein, as well as Optionee's observing and performing all of the covenants and conditions contained in the Lease, the Optionee may peacefully and quietly enjoy the Property subject to the terms and conditions set forth in the Lease.
7. The Optionee agrees to maintain an access road in a passable manner for the term of the lease.
8. Licensee's Payment of Taxes, Fees and Assessments. Optionee shall pay directly to the applicable federal, state or local governmental unit or agency ("Governmental Entity") or to Optionor if Optionor is invoiced by such Governmental Entity, all taxes, fees, assessments or other charges assessed by any Governmental Entity directly against Optionee's Equipment and/or Optionee's use of the Facility. Optionee shall also pay to Optionor Optionee's Pro Rata Share of all taxes, fees, assessments or charges including, but not limited to, personal property taxes attributable to Optionee's equipment and antenna(s), municipal franchise fees, use fees, municipal application fees, installation fees and increases thereof. "Pro Rata Share" shall mean the fraction of decimal equivalent of dividing one (1) by the total number of then existing users occupying a tower on the last day of the applicable calendar year.

Site Name: Woodbine

17. This Option and Lease Agreement contains the entire agreement between the parties hereto and no modification or amendment shall be binding upon any party unless made in writing and signed by each of the parties hereto.
18. Upon the termination or other end of this Lease Agreement, Optionee shall have the right to remove any and all of its property (real or personal) from the Property regardless of whether or not such property may be considered a fixture thereto.
19. Upon abandonment of the property, Optionee shall have thirty (30) days to dismantle and remove the cellular antenna tower and any/all equipment located on Optionor's property.

[Remainder of Page Intentionally Left Blank]

Site Name: Woodbine

EXECUTION OF AGREEMENT(S)

IN WITNESS WHEREOF, the parties hereto have set their hands and affixed their respective seals.

Harold Pennington Ron Smith

Date: _____ Date: 1-9-08

("Optionor(s)")

("Optionee")

By: Harold Pennington
Title: Manager

By: Ron Smith
Authorized Representative

STATE OF Kentucky
COUNTY OF Whitley

The foregoing instrument was acknowledged before me this 7 day of January, 2008, by Harold Pennington to be his/her free act and deed.

Alice P. Crawford
NOTARY PUBLIC STATE AT LARGE
My commission expires: August 9, 2010

STATE OF KENTUCKY
COUNTY OF HARDIN

The foregoing instrument was acknowledged before me this 9 day of January, 2008, by **Ron Smith**, to be his free act and deed.

Jul L Vick
NOTARY PUBLIC STATE AT LARGE
My commission expires: 1-21-09

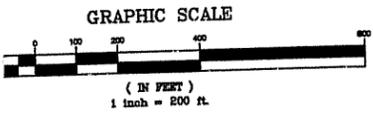
Site Name: Woodbine

This instrument prepared by:



John E. Sejent
DINSMORE & SHOHL LLP
1400 PNC Plaza
500 West Jefferson Street
Louisville, KY 40202
(502) 540-2300

Robert Taylor, Jr. and Jim L. Taylor
 109 Taylor Road
 Corbin, Kentucky 40701
 PVA Map No. 139-00-00-009.00



Note

⚠️ All of the boundaries shown are approximate, and they are based on aerial photographs and information on file in the offices of the Property Valuation Administrator and County Clerk of Whitley County, Kentucky.

(No Structures Within)

Surveyor's Certification

I certify that the information shown is correct to the best of my knowledge, and it is in accordance with the records found in the offices of the Property Valuation Administrator and County Clerk of Whitley County, Kentucky, on February 7, 2008.

Darren L. Helms
 Helms, P.L.S. 3386

Tracy Sullivan Sears
 Edith Sullivan Sutton
 P.O. Box 57
 Woodbine, Kentucky 40261
 PVA Map No. 139-00-

2-26-08

STATE OF KENTUCKY
 DARREN L. HELMS
 3386
 LICENSED
 PROFESSIONAL
 LAND SURVEYOR

Landmark Surveying Co., Inc.
 15 NE 3rd Street
 Washington, Indiana 47501
 (812) 257-0850
 Email: landmark@landmarksurvey.com
 Project No. 08-02-0108



500-Foot Radius Map

341 Sutton Mill Road

Corbin, Kentucky 40701

Bluegrass Cellular

2902 Ring Road

Elizabethtown, Kentucky 42701

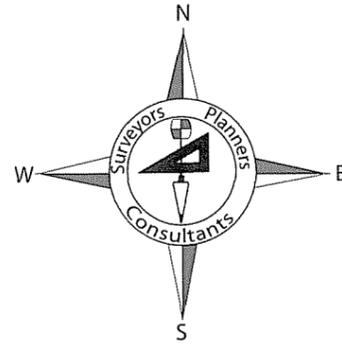
REVISIONS	DATE

DATE: 2-26-08
 DRAWN BY: A. Hinkler
 CHECKED BY: D.L. Helms

SHEET NO.
 1
 OF 1 SHEETS
 FILE NO.
 woodbine-radius.dwg

Landmark Surveying Co., Inc.

Darren L. Helms, P.L.S., PRESIDENT
Dennis N. Helms, P.L.S., VICE PRESIDENT



15 N.E. 3rd Street
Washington, Indiana 47501
Phone: 812-257-0950
Fax: 812-257-0953
Email: landmark97@sbcglobal.net

Landowner and Adjacent Landowner List

Bluegrass Cellular, Inc.
Woodbine Site
Whitley County, Kentucky

Robert Taylor, Jr. and
Jim L. Taylor
109 Taylor Road
Corbin, KY 40701

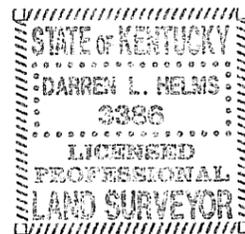
Tracy Sullivan Sears
Edith Sullivan Sutton
Life Estate
P.O. Box 57
Woodbine, KY 40771

Pennington Farms, LLC
2427 South Main Street
Corbin, KY 40701

Darren L. Helms

Darren L. Helms, Kentucky Professional Land Surveyor No. 3386

FEB. 26, 2008
Date



March 21, 2008

Tracy Sullivan Sears
Edith Sullivan Sutton Life Estate
P.O. Box 57
Woodbine, Kentucky 40771

Public Notice

Bluegrass Wireless LLC ("Bluegrass Wireless") is a Kentucky limited liability Company that markets its services as Bluegrass Cellular. Bluegrass Cellular has been serving Central Kentucky with wireless communications services for over 15 years.

Bluegrass Wireless is applying to the Public Service Commission of the Commonwealth of Kentucky (the "Commission") for a Certificate of Public Convenience and Necessity to construct and a new cell facility to provide cellular telephone service. This facility will include a 240 foot tower to be located at 341 Sutton Mill Road, Corbin, Whitley County, Kentucky, 40701. A map showing the location is attached.

The Commission invites your comments regarding this proposed construction. Also, the Commission wants you to be aware of your right to intervene in this matter. Your comments and request for intervention should be addressed to:

Executive Director's Office
Public Service Commission of Kentucky
P.O. Box 615
Frankfort, Kentucky, 40602.

Please refer to case number 2008-00080 in your correspondence.

Bluegrass Cellular welcomes the opportunity to serve and provide wireless service in your community! (For more information, please check us out online at www.myblueworks.com)

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY
<ul style="list-style-type: none">■ Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.■ Print your name and address on the reverse so that we can return the card to you.■ Attach this card to the back of the mailpiece, or on the front if space permits.	<p>A. Signature <input checked="" type="checkbox"/> <i>Edith Sutton</i> <input type="checkbox"/> Agent <input type="checkbox"/> Addressee</p> <p>B. Received by (Printed Name) <input type="checkbox"/> C. Date of Delivery <i>3/25/08</i></p>
<p>1. Article Addressed to:</p> <p><i>Tracy Sullivan Sears Edith Sullivan Sutton Life Estate P.O. Box 57 Woodbine, KY 40771</i></p>	<p>D. Is delivery address different from item 1? <input type="checkbox"/> Yes If YES, enter delivery address below: <input type="checkbox"/> No</p> <p>3. Service Type <input checked="" type="checkbox"/> Certified Mail <input type="checkbox"/> Express Mail <input type="checkbox"/> Registered <input type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Insured Mail <input type="checkbox"/> C.O.D.</p> <p>4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes</p>
<p>2. Article Number (Transfer from service label)</p>	<p><i>7007 2680 0001 2652 8439</i></p>

March 21, 2008

Pennington Farms, LLC
2427 South Main Street
Corbin, Kentucky 40701

Public Notice

Bluegrass Wireless LLC ("Bluegrass Wireless") is a Kentucky limited liability Company that markets its services as Bluegrass Cellular. Bluegrass Cellular has been serving Central Kentucky with wireless communications services for over 15 years.

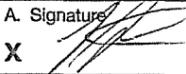
Bluegrass Wireless is applying to the Public Service Commission of the Commonwealth of Kentucky (the "Commission") for a Certificate of Public Convenience and Necessity to construct and a new cell facility to provide cellular telephone service. This facility will include a 240 foot tower to be located at 341 Sutton Mill Road, Corbin, Whitley County, Kentucky, 40701. A map showing the location is attached.

The Commission invites your comments regarding this proposed construction. Also, the Commission wants you to be aware of your right to intervene in this matter. Your comments and request for intervention should be addressed to:

**Executive Director's Office
Public Service Commission of Kentucky
P.O. Box 615
Frankfort, Kentucky, 40602.**

Please refer to case number 2008-00080 in your correspondence.

Bluegrass Cellular welcomes the opportunity to serve and provide wireless service in your community! (For more information, please check us out online at www.myblueworks.com)

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY
<ul style="list-style-type: none"> ■ Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired. ■ Print your name and address on the reverse so that we can return the card to you. ■ Attach this card to the back of the mailpiece, or on the front if space permits. 	<p>A. Signature  <input type="checkbox"/> Agent <input checked="" type="checkbox"/> Addressee</p> <p>B. Received by (Printed Name) <i>TRACY KINNICK</i> C. Date of Delivery <i>3/24/08</i></p> <p>D. Is delivery address different from item 1? <input type="checkbox"/> Yes If YES, enter delivery address below: <input type="checkbox"/> No</p>
<p>1. Article Addressed to:</p> <p><i>Pennington Farms, LLC 2427 South Main Street Corbin, KY 40701</i></p>	<p>3. Service Type</p> <p><input checked="" type="checkbox"/> Certified Mail <input type="checkbox"/> Express Mail <input type="checkbox"/> Registered <input type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Insured Mail <input type="checkbox"/> C.O.D.</p> <p>4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes</p>
<p>2. Article Number (Transfer from service label)</p>	<p><i>7007 2680 0001 2652 8446</i></p>

March 21, 2008

Robert Taylor, Jr. and Jim L. Taylor
109 Taylor Road
Corbin, Kentucky 40701

Public Notice

Bluegrass Wireless LLC ("Bluegrass Wireless") is a Kentucky limited liability Company that markets its services as Bluegrass Cellular. Bluegrass Cellular has been serving Central Kentucky with wireless communications services for over 15 years.

Bluegrass Wireless is applying to the Public Service Commission of the Commonwealth of Kentucky (the "Commission") for a Certificate of Public Convenience and Necessity to construct and a new cell facility to provide cellular telephone service. This facility will include a 240 foot tower to be located at 341 Sutton Mill Road, Corbin, Whitley County, Kentucky, 40701. A map showing the location is attached.

The Commission invites your comments regarding this proposed construction. Also, the Commission wants you to be aware of your right to intervene in this matter. Your comments and request for intervention should be addressed to:

**Executive Director's Office
Public Service Commission of Kentucky
P.O. Box 615
Frankfort, Kentucky, 40602.**

Please refer to case number 2008-00080 in your correspondence.

Bluegrass Cellular welcomes the opportunity to serve and provide wireless service in your community! (For more information, please check us out online at www.myblueworks.com)

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY
<ul style="list-style-type: none">Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.Print your name and address on the reverse so that we can return the card to you.Attach this card to the back of the mailpiece, or on the front if space permits.	A. Signature <i>Robert Taylor</i> <input type="checkbox"/> Agent <input type="checkbox"/> Addressee
1. Article Addressed to: <i>Robert Taylor, Jr. Jim L. Taylor 109 Taylor Road Corbin, KY 40701</i>	B. Received by (Printed Name) C. Date of Delivery <i>3-22</i>
2. Article Number (Transfer from service label)	D. Is delivery address different from item 1? <input type="checkbox"/> Yes If YES, enter delivery address below: <input type="checkbox"/> No
	3. Service Type <input checked="" type="checkbox"/> Certified Mail <input type="checkbox"/> Express Mail <input type="checkbox"/> Registered <input type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Insured Mail <input type="checkbox"/> C.O.D.
	4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes
	7007 2680 0001 2652 7838

Dinsmore & Shohl LLP
ATTORNEYS

Kerry W. Ingle
502-540-2354 (direct dial)
kerry.ingle@dinslaw.com

March 21, 2008

Via Certified Mail

Whitley County Judge Executive
Courthouse
200 Main Street
P.O. Box 237
Williamsburg, Kentucky 40769-0237

RE: Public Notice - Public Service Commission of Kentucky
Woodbine Cell Site, Case No. 2008-00080

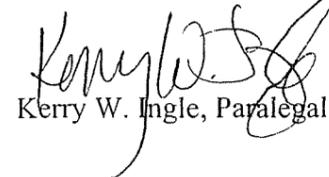
Bluegrass Wireless, LLC ("Bluegrass Wireless") is a Kentucky limited liability company that markets its services as Bluegrass Cellular. Bluegrass Wireless is applying to the Public Service Commission of Kentucky (the Commission") for a Certificate of Public Convenience and Necessity to propose construction and operation for a new facility to provide cellular radio telecommunications service in rural service area (RSA) #11 in Whitley County, namely the Woodbine cell site. The facility will include a 240 foot tower and an equipment shelter to be located at 341 Sutton Mill Road, Corbin, Whitley County, Kentucky, 40701. A map showing the location of the proposed new facility is enclosed.

The Commission invites your comments regarding the proposed construction. You also have the right to intervene in this matter.

Your comments and request for intervention should be addressed to: Executive Director's Office, Public Service Commission, P.O. Box 615, Frankfort, Kentucky 40602. Please refer to case number 2008-00080 in your correspondence.

Very truly yours,

DINSMORE & SHOHL LLP


Kerry W. Ingle, Paralegal

enclosure

kwi

PUBLIC NOTICE

Bluegrass Wireless LLC
proposes to
construct a cellular
communications

TOWER

on this site. If you have any
questions please contact:

Bluegrass Wireless LLC	Executive Director
1111 10th Street	PO Box 10000
Franklin, KY 40501	Franklin, KY 40501
Telephone: 502-221-1111	Franklin, KY 40501

Please refer to P.S.C.

Case #2008-00080
in your correspondence.

AFFIDAVIT OF PUBLICATION

I, DON ESTEP, PUBLISHER OF **THE WHITLEY/CORBIN NEWS JOURNAL**,
PAPER OF GENERAL CIRCULATION, PRINTED AND PUBLISHED IN
WHITLEY COUNTY, DO SOLEMNLY SWEAR THAT FROM MY OWN PERSONAL
KNOWLEDGE, AND REFERENCE TO THE FILES OF SAID PUBLICATION
THE ADVERTISEMENT OF THE Bluegrass Wireless Signage Notice
ATTACHED HERETO WAS INSERTED IN **THE WHITLEY/CORBIN NEWS JOURNAL** ON THE
FOLLOWING DATES: 3/26/08 & 4/2/08.

Don Estep
SIGNATURE

NOTARY PUBLIC

SUBSCRIBED AND SWORN TO ME THIS 8th day of April 2008.
MY COMMISSION EXPIRES 1-11-09

Joyce Morgan
NOTARY PUBLIC

NOTARY SEAL

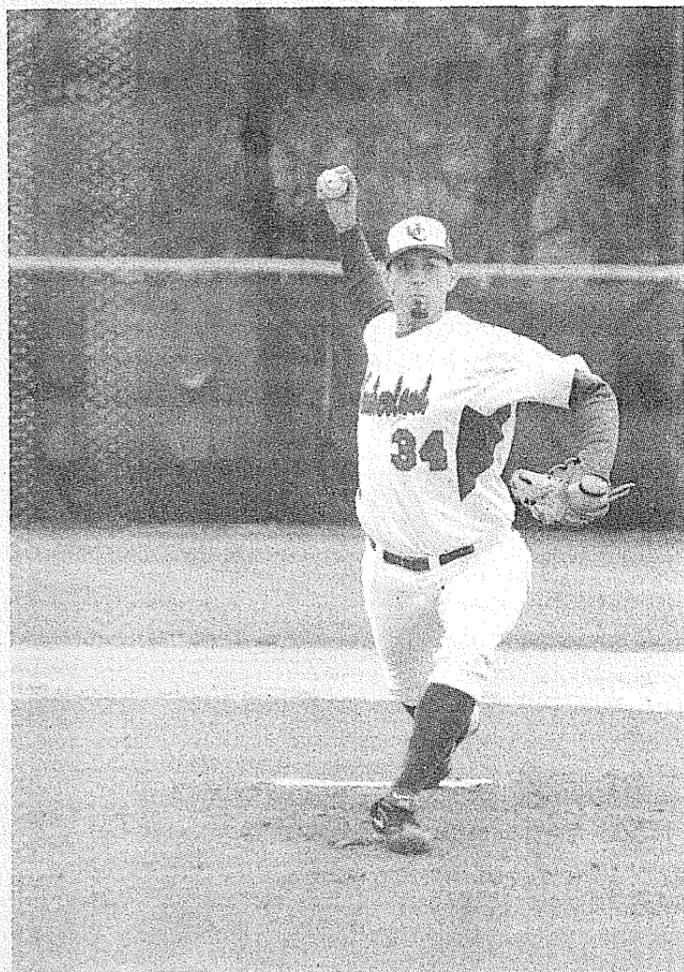


Photo By UC Sports Information

HURLER: Patriot pitcher Jon Silverman, in a recent home game, fires one off the mound. The Patriots will be at home this weekend to meet the Raiders of Lindsey Wilson College.

Patriots win three of four from Pikeville

The University of the Cumberlands baseball team travelled to Pikeville for their second road conference series this past weekend. On Friday the Patriots recorded complete game shutouts by Adam Blakey (Jamestown, KY) and Tyler Lee (Mt. Sterling, KY). Then, on Saturday, the Patriots dropped the first game 6-7 before clinching the series with a 12-5 win.

Blakey out dueled Bears ace Jordan Compton in the 1-0 affair as the Patriots scored the only run of the game in the 8th inning. Trevor Urbanick

game pitching 6.2 innings allowing 5 earned runs and walking 6 while striking out 2. Chris Short (Willwood, MO) relieved Williams in the 7th. Short pitched a scoreless 8th but after recording two quick outs in the 9th the Patriots allowed a walk and back to back doubles before ending the game 7-6. Balzano, Poff and Robert Mills (Las Vegas, NV) all had multi-hit games in the loss.

The Patriots rebounded from the disappointing loss with a convincing and series clinching 12-5 win in the fina-

Classifieds

from page C-9

NOTICE should be addressed to: Executive Director's Office, Public Service Commission, Post Office Box 615, 211 Sower Boulevard, Frankfort, Kentucky 40602. Please refer to Case No. 2008-00080 in your correspondence.

13-2-B

BID NOTICE: The Whitley County Board of Education is now accepting sealed bids on the following items for the 2008/2009 school year: (1) Excavating Services (2) Metal Roofing (3) Student Handbooks-Elementaries (4) Student Agendas-WCMS and

Siler's Alumin

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PUBLIC INFORMATION MEETING PRELIMINARY PLANS SHOWING RECONSTRUCTION OF 10TH STREET IN WILLIAMSBURG - KY 82 ITEM NO. 11-8306.00, WHITLEY COUNTY

The Kentucky Transportation Cabinet has a Public Information Meeting for proposed reconstruction of 10th Street in Williamsburg. This specific section of 10th Street intersects with KY 92 and extends north to KY 92. The purpose of the meeting is to present preliminary plans, to receive comments on these plans, and to provide an opportunity for the public concerning the project. Anyone having an interest in this project is urged to attend this meeting.

The public meeting will be an informal meeting held from 5:00 pm to 7:00 pm. Exhibits will be available showing proposed roadway and roundabout location, an aerial photograph, affected property owners, and an aerial photograph. Transportation Cabinet representatives will be available to receive comments and respond to questions.

The exhibits will also be available for viewing from 4:30 p.m. for 15 days after the meeting at the District Office, 603 Chester, Kentucky.

Both written and oral statements will be accepted. A tape recorder will be made available for use. Written statements will be accepted at the meeting. Written statements will be accepted at the meeting.

Written statements will be accepted at the meeting. Written statements will be accepted at the meeting.

Classifieds

from page C-9

Yard Sales

HUGE YARD SALE
- April 4 & 5, 8AM at
79 Cranebrook Rd,
Corbin (Off Hwy. 770
& Amy North Road).
Gun cabinet, large
window A/C, etc.

YARD SALE: Sat-
urday, April 5 from
9AM to 3 PM at Lily
Baptist Church
gym on Old Lily
School Road. Lots
of everything in-
cluding clothing
(children-adult),
housewares, toys,
etc. Sponsored by
the Youth Group.

Legal

NOTICE
Bluegrass Wireless
LLC is applying to the
Public Service Com-
mission of Kentucky
for a Certificate of
Public Convenience
and Necessity to
construct and oper-
ate a new facility to
provide cellular radio
telecommunications
service in rural ser-
vice area #11 of the
Commonwealth of
Kentucky (Woodbine
Cell Site). The facil-
ity is a 240 foot tower
and an equipment
shelter to be located
at 341 Sutton Mill
Road, Corbin, Whit-

ley County, Kentucky,
40701. Your com-
ments and requests
for intervention
should be addressed
to: Executive Direc-
tor's Office, Public
Service Commission,
Post Office Box 615,
211 Sower Boulevard,
Frankfort, Kentucky
40602. Please refer
to Case No. 2008-
00080 in your corre-



Where Wireless Works.

Bluegrass Cellular Inc., a telecommunications management compan

Service Technician-Corbin

Responsibilities/Requirements:

-Installation/trouble shooting of cellular antennas, car kit
ries, operation of mobile service and in house service. O
ence in automotive electronic installation, valid driver's lic
pass background/drug tests

Excellent benefits and 401k savings pl

Submit resume to njackson@bluegrasscellular.com
fax to 270.769.0548

or mail to P.O. Box 5012, Elizabethtown, KY 427
Equal Opportunity Employer

The Mark

Contact Melissa or Carla at 528-97

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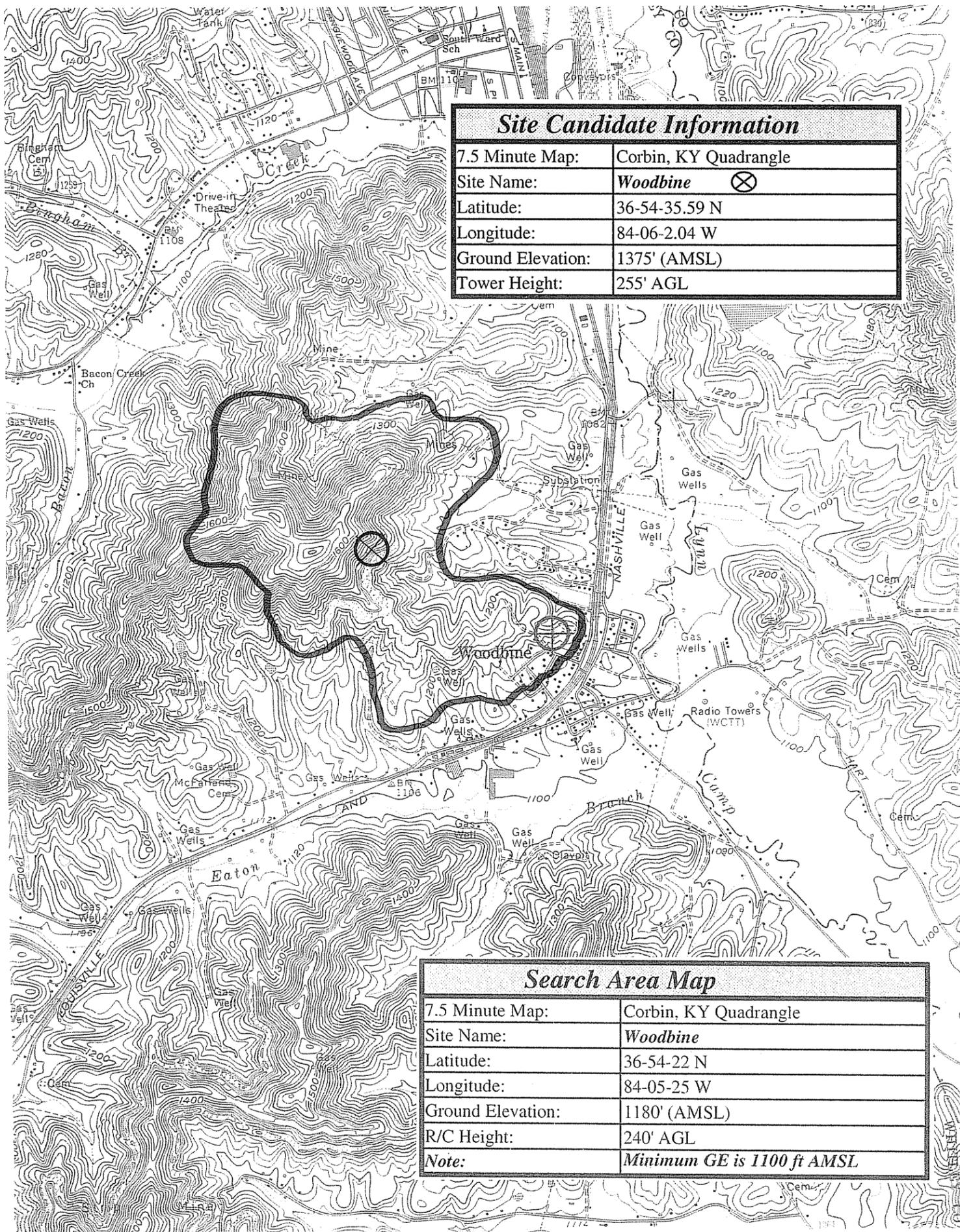
Email - newhomes@preferred.com

Homestead Home Improvement

ALL REMODELING - mobile home repairs,
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window & door replacement, trim, wood work,
decks, metal roofs, additions, painting, storage
buildings, leak repairs

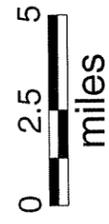
Refrigerators • Washer
Ranges • A/C & i

WELLS APPLIAN



Site Candidate Information	
7.5 Minute Map:	Corbin, KY Quadrangle
Site Name:	Woodbine ⊗
Latitude:	36-54-35.59 N
Longitude:	84-06-2.04 W
Ground Elevation:	1375' (AMSL)
Tower Height:	255' AGL

Search Area Map	
7.5 Minute Map:	Corbin, KY Quadrangle
Site Name:	Woodbine
Latitude:	36-54-22 N
Longitude:	84-05-25 W
Ground Elevation:	1180' (AMSL)
R/C Height:	240' AGL
Note:	Minimum GE is 1100 ft AMSL



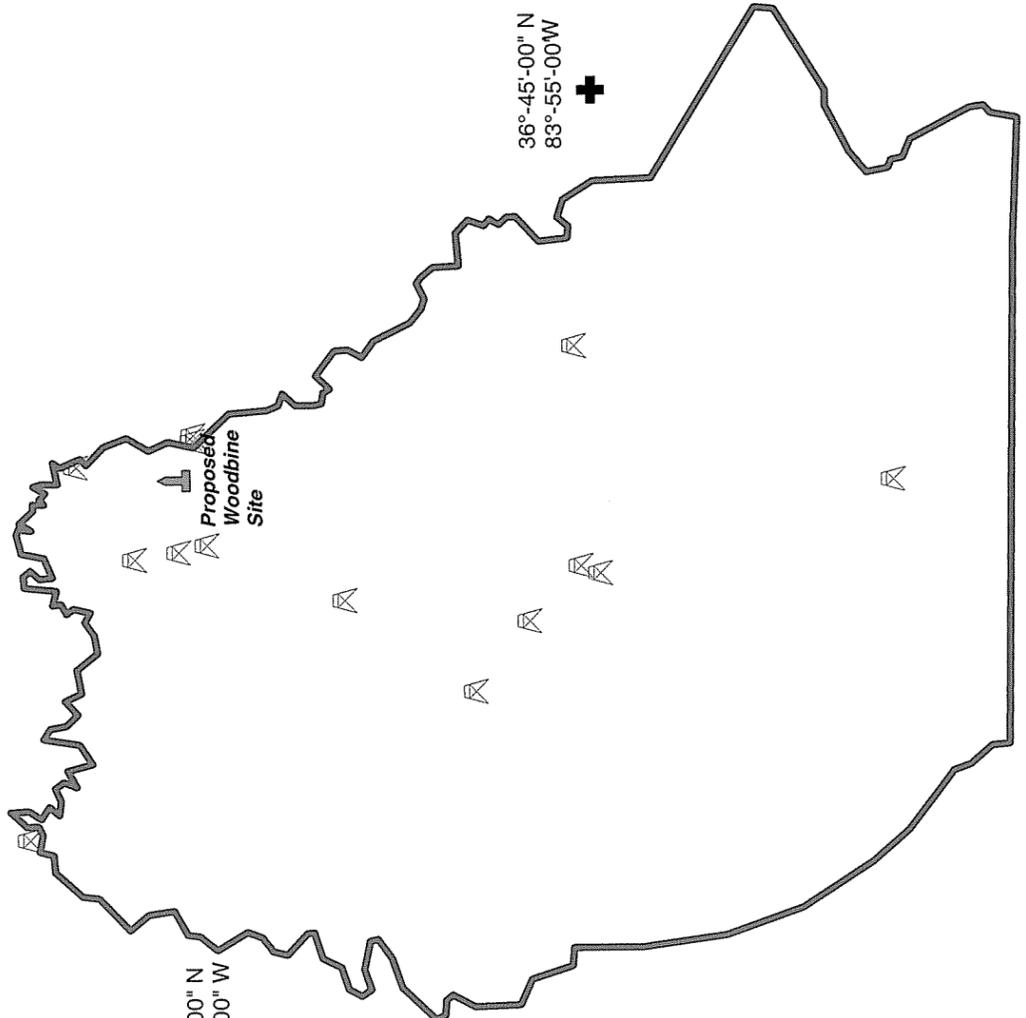
	Whitley County Boundary
	Wireless Tower Locations Registered with the FCC
	Proposed Tower Location
	Tick Marks

Prepared By: LINGS Engineering 3/18/2008

36°-55'-00" N
84°-22'-00" W

Proposed
Woodbine
Site

36°-45'-00" N
83°-55'-00" W



**Information on Constructed Towers Registered with the FCC
in Whitley County and 1/2 mile Area Outside of the County Boundary**

FCC Tower Reg. No.	Latitude North	Longitude West	City, State	Tower Owner
1003734	36-56-49.5	84-5-38.9	Corbin, KY	American Towers, Inc.
1041884	36-55-30	84-8-17	Corbin, KY	BELLSOUTH TELECOMMUNICATIONS INCORPORATED
1043825	36-54-8	84-4-45	Woodbine, KY	ENCORE COMMUNICATION
1043526	36-54-9	84-4-55	Woodbine, KY	ENCORE COMMUNICATION DBA = FM
1043633	36-45-17.3	84-8-30.8	Williamsburg, KY	LITCHELD COUNTY CELLULAR, INC. DBA = RAMCELL OF KENTUCKY
1043635	36-53-50	84-7-53	Corbin, KY	LITCHELD COUNTY CELLULAR, INC. DBA = RAMCELL OF KENTUCKY
1043806	36-54-29.1	84-8-47	Corbin, KY	NEW CINGULAR WIRELESS PCS, LLC
1043812	36-44-50.6	84-8-43.6	Williamsburg, KY	NEW CINGULAR WIRELESS PCS, LLC
1204258	336-50-41.4	84-9-27.9	Walden, KY	Crown Communication Inc.
1204844	36-38-8.6	84-6-6.7	Williamsburg, KY	Crown Communication Inc.
1205693	36-57-56	84-16-14	Corbin, KY	London Laurel County Communication Center
1245198	36-45-25	84-2-16.2	Williamsburg, KY	NEW CINGULAR WIRELESS PCS, LLC
1250038	36-46-28.2	84-10-4.7	Williamsburg, KY	Outreach Ministries, WEKC Inc.
1257244	36-47-42.9	84-12-4.3	Williamsburg, KY	WILLIAMSBURG-WHITLEY COUNTY AIRPORT

Prepared By:
LNCS Engineering